

# The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, April 1, 2012 to March 31, 2013)

## Part – A

### I. Details of the Institution

1.1 Name of the Institution	The University of Burdwan
1.2 Address Line 1	Rajbati
Address Line 2	Burdwan
City/Town	Burdwan
State	West Bengal
Pin Code	713104
Institution e-mail address	registrar@buruniv.ac.in vc@buruniv.ac.in smritikumar.karigar@gmail.com
Contact Nos.	+091-342-2634975 (30 lines) +091-342-2634900 (VC) +091-342-2530452 (VC)
Name of the Head of the Institution:	Prof. Smritikumar Sarkar Vice Chancellor
Tel. No. with STD Code:	0342 – 2634900 (VC)
Mobile:	09051475555 (VC) 09433263293 (VC)

Name of the IQAC Co-ordinator:

Prof. Soumyendra Kishore Datta & Prof. Apurba Ratan Ghosh  
Joint Directors

Mobile:

+919434835230 (Prof. S.K.Datta) & +919434003445 (Prof. A.R.Ghosh)

IQAC e-mail address:

iqac@buruniv.ac.in  
apurbaghosh2010@gmail.com  
mailto:soumyendra.d@rediffmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

1.5 Website address:

<http://www.buruniv.ac.in/>

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	****		2001	2006
2	2 <sup>nd</sup> Cycle	B++	80.5	2007	2012
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

11/08/2005

1.8 AQAR for the year (for example 2010-11)

2012-'13

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR //2009 (DD/MM/YYYY)4
- ii. AQAR // 2010 (DD/MM/YYYY)
- iii. AQAR //2011 (DD/MM/YYYY) – Submitted on March 2012.
- iv. AQAR //2012 \_\_\_\_\_ (DD/MM/YYYY)

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1. Directorate of Distance Education
2. Mass communication
3. Education
4. Rural Technology Centre
5. Life Long Learning
6. Women's Studies.
7. ME in Computer Science & Engineering
8. Foreign Language course
9. Bachelor of Engineering
10. Distance mode education
11. Vocational Courses

1.12 Name of the Affiliating University (for the Colleges)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

Autonomy by State

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (Specify)

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

10

2.2 No. of Administrative/Technical staff

6

2.3 No. of students

0

2.4 No. of Management representatives

0

2.5 No. of Alumni

0

2.6 No. of any other stakeholder and  
community representatives

0

2.7 No. of Employers/ Industrialists

0

2.8 No. of other External Experts

3

2.9 Total No. of members

19

2.10 No. of IQAC meetings held 3 (Three)

2.11 No. of meetings with various stakeholders: No.  Faculty   
Non-Teaching Staff/Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

Inculcating quality Culture: Role of Academicians & Academic Administration  
(Sponsored by NAAC)

2.14 Significant Activities and contributions made by IQAC

1. Evaluation of PG Courses (Syllabus, content, pedagogy of faculty) in PG departments of University by the students (students possessing at least 75% attendance are included only)
2. Evaluation may be held in a six monthly frequent.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
1. Submission of IQAC AR of 2012-13	Prepaid & Submitted.
2. Proposal for establishment of language lab in the plan period	Under Process.
3. Preparation of online admissions in PG Level.	Format Prepared.
4. Preparation of format for students feedback as per standard format of NAAC	Already implemented.
5. Organisation of student-teacher meet on regular basis	Started the process.
6. Allotment of budgetary provision for supplying drinking water and toilets from Student Amenity Fund	Executed in different areas of University campus.
7. Establishment of faculty club with cafeteria in Golapbag campus	Under Process.
8. Beautification of Golapbag campus	Ongoing & maintaining.
9. E/M learning Technology	Under Process

\* Attach the Academic Calendar of the year as Annexure.

## Plan of Action

1. Provision of computer facility to the students and all faculties in the Golapbag campus.
2. Provision of creation, maintenance and upgradation of infrastructure under ladies toilet and drinking water from UGC grants.
3. Implementation of CBCS from next academic year 2014-15.
4. Feedback from International & National faculties regarding course curriculum.

2.15 Whether the AQAR was placed in statutory body      Yes  No

Management  Syndicate  Any other body

Provide the details of the action taken

- Development of infrastructure & maintenance for ladies, specially washrooms / toilets
- Feedback from students
- Supply of safe/pure drinking water facility within the campus

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	28			
PG	28	01	06	
UG	4 (LLB, Science Education, BLIS & BE)			
PG Diploma	3 {Population Education, Special Education (Mental Retardation) & Yoga Therapy}			
Advanced Diploma	1 (Foreign Language)			
Diploma	1 (Arts & Design)			
Certificate	3 (Blood donor motivation, Mother child care & Family welfare at community medicine)			
M. Phil	19			
M.E	2			
M. Tech	1			
Others (Distance Mode)	18 (PG-11, UG-4 & Vocational-3)			
<b>Total</b>	118	01	06	

Interdisciplinary				
Innovative	2 (Mother Child Care & Mental Retardation)			

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options.  
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	√
Trimester	
Annual	

1.3 Feedback from stakeholders\* (On all aspects) Alumni  Parents  Employers  Students

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

\*Please provide an analysis of the feedback in the Annexure

- 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Process initiated for updating the syllabi

- 1.5 Any new Department/Centre introduced during the year. If yes, give details.

Not during this year.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	215	115	61	27	12
Sanctioned Posts	291	158	93	40	

2.2 No. of permanent faculty with Ph.D.

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	5	43	2	32	2	13	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	48	77	33
Presented papers	76	163	50
Resource Persons	32	129	28

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Formation of new syllabus on the Credit System
- Campus cleaning by the students & participation in the environmental awareness programme
- Regular seminar presentation by the students
- Encouragement of the students to publish their work done during dissertation in national & international journals.

2.7 Total No. of actual teaching days during this academic year 245 As per University calendar.

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions) Double Valuation

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 189

2.10 Average percentage of attendance of students 65%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division	
		Passed	Pass %
M. Sc.	762	751	98.55
M.A	1231	1212	98.45
M. Com	87	82	94.25
MBA	63	63	100
M. Ed	24	24	100
MFA	5	5	100
MLIS	16	15	93.75
LLM	24	22	91.66

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC always keeps track with the departmental academic activity through maintenance of its database.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	17
UGC – Faculty Improvement Programme	2
HRD programmes	-
Orientation programmes	3
Faculty exchange programme	-
Staff training conducted by the university	6
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	15
Others	4

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff & Technical Staff	847	456	35	6

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

IQAC helps in promoting research atmosphere in the Institution through sensitizing the faculties by promoting sources of funds, sponsoring agencies, etc.  
Although it is to be mentioned that most of the teachers are very much concerned about the projects, schemes, etc.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	14	47	1	10
Outlay in Rs. Lakhs	1,82,37,509/-	8,69,03,941/-	8,79,600/-	1,17,00,000/-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4	6	-	-
Outlay in Rs. Lakhs	5,80,000/-	12,25,000/-	-	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	467	211	22
Non-Peer Review Journals	2	22	1
e-Journals	88	18	-
Conference proceedings	24	41	-

#### 3.5 Details on Impact factor of publications:

Range 0.0 – 12.7 Average 1.7626 h-index 12.6 Nos. in SCOPUS 1492

#### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2012-13 (running)	UGC, UGC-DRS (SAP 1), ICSSR, NMEICT of MHRD, Govt of India, DST (SERC), CSIR, BRNS, DST, DST(WB), DST(ENV), UGC-DAE, DST-GoI, MoEF, SERB, RCI, DRDO, SERB Fast Track Scheme for Young	Rs. 8,98,10,640/-	Rs. 4,26,65,880/-

		Scientist in Mathematical Science Agency: Department of Science and Technology, Govt. of India, DBT, National Agency of France (International),		
Minor Projects		District Administration, Birbhum, UGC-HR Education, UGC,	Rs. 19,46,000/-	Rs. 15,56,000/-
Interdisciplinary Projects		Dept. of Environment, Govt. of WB	Rs. 14,31,000/-	-
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)		INSPIRE, DST	-	-
Any other(Specify)		PURSE	Rs. 60,00,000/-	-
Total	15		Rs. 9,31,87,640/-	Rs. 4,42,21,880/-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP	<input type="text" value="7"/>	CAS	<input type="text" value="5"/>	DST-FIST	<input type="text" value="4"/>
DPE	<input type="text" value="-"/>			DBT Scheme/funds	<input type="text" value="1"/>

3.9 For colleges

Autonomy	<input type="text"/>	CPE	<input type="text"/>	DBT Star Scheme	<input type="text"/>
INSPIRE	<input type="text"/>	CE	<input type="text"/>	Any Other (specify)	<input type="text"/>

3.10 Revenue generated through consultancy

Level	International	National	State	University	College
Number	4	10	3	2	-
3.11 No. of conferences organized by the Institution	UGC.	UGC (CAS), ICAI, BU, UGC, ICHR, UGC (DRS), DST-PURSE	Sahitya Academy	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons:

	International	National	State	University
Experts	13	41	28	43
Chairpersons	11	33	19	31
Resource persons	14	65	45	49

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Three
	Granted	-
International	Applied	One
	Granted	One
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
26	5	13	7	1	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

165
646

3.19 No. of Ph.D. awarded by faculty from the Institution

147
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3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF		SRF		Project Fellows		Any other	
State Funded: 39	UGC: 47	CSIR: 26	INSPIRE: 2	DST: 5	MoFF: 5		
Biodiversity: 2	UGC-DAE: 1	CSR: 2	<b>Total: 129</b>				

3.21 No. of students Participated in NSS events:

University level	200	State level	
National level		International level	

3.22 No. of students participated in NCC events:

University level	-	State level	-
National level	-	International level	-

3.23 No. of Awards won in NSS:

University level		State level	3
National level	-	International level	-

3.24 No. of Awards won in NCC:

University level	-	State level	3
National level	-	International level	-

3.25 No. of Extension activities organized

University forum	4	College forum	8		
NCC	-	NSS	8	Any other	-

### 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Cleanliness of the campus.
- Blood donation camp.

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	316.3123 Acres (97 Buildings)	--	--	316.3123 Acres
Class rooms	79	8	University, UGC, UGC (SAP).	87
Laboratories	74	4	BU, UGC.	78
Seminar Halls	6	1	UGC infra grant, BU, UGC (SAP).	7
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	15	64	BU, UGC, CAS – I, DST-PURSE & Univ. Project, UGC (SAP), DRDO DST,	79
Value of the equipment purchased during the year (Rs. in Lakhs)	-	Rs. 22907498.7/-	BU, UGC, CAS – I, DST-PURSE & Univ. Project, UGC (SAP), DRDO DST.	Rs. 22907498.7/-
Others	8	1	DST FIST, BU.	9

#### 4.2 Computerization of administration and library

Annexure - I
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#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	6414	40,60,000/-	8394	1,14,27,684/-	14,808	1,54,87,684/-
Reference Books						
e-Books						
Journals	328	24,33,073/-	371	39,18,033/-	699	63,51,106/-
e-Journals						
Digital Database	Prototype Digital Library started with uploading Question Papers, Syllabuses into D-Space Digital Library Software.					
CD & Video	1189					
Others (specify)	<b>Audio Cassettes</b> in French – 08 + Gift – 09 = 17, German – 17 (all in Foreign Language Dept.)					

#### 4.4 Technology up gradation (overall): (Annexure – I)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	605	124	273	3	4	13	29	-
Added	73	18	92	0	-	0	5	-
Total	678	142	365	3	-	13	34	-

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Annexure - I
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#### 4.6 Amount spent on maintenance in lakhs :

i) ICT\*

114 Lakhs
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ii) Campus Infrastructure and facilities

390 Lakhs
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iii) Equipments

iv) Others (construction of building)

**Total :**

\*ICT is included in the “Head of Equipments”

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

#### 5.2 Efforts made by the institution for tracking the progression

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
54828	2030	646	787

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	1927	51		1833	49.38

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1897	328	86	0	21	2332	1677	273	55	0	25	2030

Demand ratio

Dropout %

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- NET/SET/SSC/GATE /Special Coaching/Remedial Classes Through active participation of all the faculty members
- Arrangement of Computer lab and internet facilities, Special classes etc.
- Tutorial Classes
- Preparatory courses in Civil service Exam.

No. of students beneficiaries

#### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
IAS/IPS etc  State PSC  UPSC  Others

#### 5.6 Details of student counselling and career guidance

The Panseeds Pvt. Ltd & the Azim Premji foundation came to provide career guidance for the University students during the year 2012.

No. of students benefitted

#### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
11	213	20	147

#### 5.8 Details of gender sensitization programmes

University organized 3 UGC sponsored programmes in collaboration with colleges affiliated to University.

#### 5.9 Students Activities

##### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

5.10 Scholarships and Financial Support:

	Number of students	Amount
Financial support from institution	1067	1,47,96,222/-
Financial support from government		
Financial support from other sources	2	1,20,000/-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students:

- Students are encouraged in departmental, inter-departmental, national events like seminars, workshops, training programmes, cultural events, etc.
- Students & teachers participate in cleanliness programmes & general awareness programmes, blood donation, legal camp, political issues, plastic free campaign, tree plantation, waste management, application of green chemistry, general education about environmental pollution in school level, hospital waste management, awareness on nuclear hazards & preparation of Bio-diversity registers.

5.13 Major grievances of students (if any) redressed:

- Lack of adequate maintenance of infrastructural facility including toilets
- Lack of restroom & management of toilets
- Lack of smart/model classrooms
- Lack of opportunity in placements; regular internship facility
- Lack of language laboratory / audio – visual lab.
- Lack of communication skills & knowledge in English
- Absence of enriched departmental library in some cases
- Low speed of data transfer through internet
- Lack of uninterrupted power supply

## Criterion – VI

### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

Annexure - III
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6.2 Does the Institution has a management Information System

Annexure - III
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6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Annexure - III
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6.3.2 Teaching and Learning

Annexure - III
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6.3.3 Examination and Evaluation

Annexure - III
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6.3.4 Research and Development

Annexure - III
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6.3.5 Library, ICT and physical infrastructure / instrumentation

Annexure - III
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6.3.6 Human Resource Management

Annexure - III
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6.3.7 Faculty and Staff recruitment

Annexure - III
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6.3.8 Industry Interaction / Collaboration

Annexure - III

6.3.9 Admission of Students

Annexure - III

6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	yes

6.5 Total corpus fund generated

715,693.00/-

6.6 Whether annual financial audit has been done

Yes  No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	√		√	
Administrative				

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes  No

For PG Programmes Yes  No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Annexure - III

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

It is a state aided institution/University. Administrative policy is governed by the Policy of the state Government.

6.11 Activities and support from the Alumni Association

Annexure - III

6.12 Activities and support from the Parent – Teacher Association

Annexure - III

6.13 Development programmes for support staff

Annexure - III

6.14 Initiatives taken by the institution to make the campus eco-friendly

Annexure - III

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Annexure - IV

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Renovation & construction of buildings, electrical connections, ladies toilets/washrooms, etc.
- Feedback from students & teachers
- Supply of safe drinking water
- Feedback from external members to update syllabus
- Beautification of campus, garbage cleaning/waste disposal is initiated

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Periodic student – teacher interaction even after class hours
- Organisation of legal aid camp for downtrodden people
- Students are encouraged for appearing in different competitive examinations
- Continuous academic audit

***\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)***

7.4 Contribution to environmental awareness / protection

Annexure - IV

7.5 Whether environmental audit was conducted?      Yes       No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- Excellent unity, friendly relationship, sharing of knowledge and facility between teachers & students.
- Large number of research scholars pursuing doctoral programmes.
- Geographical location does not make any hindrance to cater to the need of the students.
- Very eco- friendly campus congenial to development of appropriate teaching-learning environment.
- Good number of alumni established in India & abroad.
- Well equipped science laboratories financed & recognised by national & international agencies.
- Productive farming activity managed by Botany Dept of the University.
- Students are involved in community services, outreach programmes etc.
- Low speed of internet connectivity.
- Lack of appropriate placement opportunities for vocationally trained students.
- Lack of adequate environmental awareness on the part of students.
- Great opportunities for passing NET/SET examination through rigorous coaching provided to students.
- Better security of the university premises.

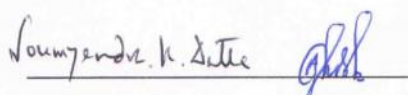
## 8. Plans of institution for next year

- Proposal for infrastructural development
- Proposal for preparing model / smart classrooms
- Initiative for augmentation of placement opportunity
- Students' feedback for betterment of the teaching-learning system
- Workshops / training programmes for the non – teaching staff member through the Academic Staff College
- Set up of language laboratory
- Set up of soundless, eco-friendly generator set in Golapbag campus
- Increasing the internet speed.

Name: Prof. Soumyendra Kishore Datta

Name: Professor Smritikumar Sarkar

Prof. Apurba Ratan Ghosh



Signature of the Coordinator, IQAC

**Joint Directors**  
**IQAC Unit**  
The University of Burdwan  
Burdwan



Signature of the Chairperson, IQAC

Vice-Chancellor  
The University of Burdwan  
Burdwan - 713104

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**4.2 Computerization of admission and Library**

University has computerized more or less all the sections of the administration and it has already started issuing computerized admit cards, mark sheets and certificates in respect of all the postgraduate and undergraduate examinations. Moreover, the finance department has already started issuing computerized pay slips, papers related to income taxes to the employees of the University and presentation of data from the grant register of various grants received from different financial agencies. Computerized registration and migration certificates are issued to postgraduate, undergraduate students. Details of the University status are also lodged in the University Website and integrated software has already been developed at the Computer Centre including academic information system, college information system etc. The University has implemented a fiber optic computer network in academic campus at Golapbag which connects the Departments of Mathematics, Chemistry, Computer Science, Statistics, Business Administration and Humanities to the Computer Centre. University has also implemented a fiber optic computer network at the administrative campus at Rajbati.

The Authority of the University introduced a system of central selection for admission to B.Ed course in the affiliated B.Ed colleges (31 colleges) & Department of Education, Golapbag campus, B.U.(w.e.f.-2011) through central selection committee on the basis of merit & counselling system from the academic session 2003-04 onward. Till date the Council for U.G. Studies is entrusted to look into the whole system of admission to the Course.

**4.4 Technology upgradation (overall)**

The 1 Gbps connectivity through Fiber Optic cable has been provided by the Bharat Sanchar Nigam Limited (BSNL) for accessing high speed Internet service provided under the project, namely, National Mission on Education through Information and Communication Technology (NME-ICT), launched by the Ministry of Human Resource Development (MHRD) with the view to establish the country-wide network among all the institutions for higher education (including universities, research institutes, colleges and so on). The Internet service through this high speed connectivity has been extended to all the academic departments in the campus.

**4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-governance etc.)**

In order to increase the awareness for using ICT in day-to-day administration, following training programmes for the university employees have been conducted under the UGC ASC curriculum. Besides, one course has been offered entirely on Free Software (Linux platform) with the view to spread the culture of using free and open source software for the academic administration:

- a) E-Governance (Preliminary Level Course)
- b) Training Programme (Advance Level) on E-Governance using Free Software

A course on Computational Tools and Open Source Software has been conducted for the university and college teachers in order to encourage the use of Numerical & Statistical Tools and other available Open Source Software packages among academic communities.

## **5. Student Support and Progression**

### **5.1 Contribution of IQAC in enhancing awareness about Student Support System**

IQAC is continuously contributing significantly and efficiently in institutionalizing the quality assurance process by covering different facets of academic as well as welfare initiatives of the University. Students from SC, ST, OBC and Physically challenged are guided and encouraged to apply for scholarships as per State Govt., Central Govt. Norms. Students from economically backward section are extended financial assistance through full- and half-free etc. University has a structured mechanism for student's welfare and placement cell. Students of final year are encouraged to approach for different fellowships announced by UGC, CSIR and other agencies. IQAC periodically reviews the teaching-learning process and discuss with the HoDs the same in its meeting. Faculty members are given necessary instructions for improvement in their performance and their suggestions for the quality enhancement and implementation. Accordingly faculty members are requested to take care of the slow learners to arrange extra classes and remedial coaching classes for them. This is a continuous process monitored by the IQAC.

### **5.2 Efforts made by the Institution for tracking the progression**

Teachers always play the role of guardian to the students and therefore the students are free to discuss their academic and personal problems, development of soft skill, career planning, personality development, and communication skill development, counselling for NET/SET programmes. IQAC proposed to keep records of their progression.

## 6.1 Vision and mission of the institution

The University of Burdwan was established by the West Bengal act xxix of 1959 as a teaching and affiliating university on 15th June, 1960, with six postgraduate departments and thirty affiliated colleges. Now it has flourished into one of the premier institutions of higher education in India with thirty two postgraduate departments and 166 affiliated colleges in the district of Burdwan, Birbhum, Bankura and Hooghly. The University has earned a great prestige in the academic fraternity in terms of providing excellent facilities covering libraries, laboratories and other infrastructure. The Departments in the university and colleges put topmost preference in admitting students of superb academic talent and acumen and their placement in lucrative jobs. Apart from this the university is supposed to provide great opportunities and facilities for pursuit of higher studies by students of backward classes and poverty stricken families living in the hinterland areas.

The University's teaching and research across the faculties of physical and social sciences and humanities continue to grow in quality and novelty. To support teaching and research, the authority of the University makes a significant and steadfast commitment to creating state-of-the-art infrastructure and providing improved services that enable us to offer some of the finest facilities to students and researchers alike.

The University of Burdwan is committed to providing a supportive environment for the students and takes care in offering a variety of services apart from the usual facilities in a college ambience. The University has earned accolades for academic excellence. The authority steadfastly sticks to the norms for admitting the best and brightest students purely on their academic merit and keen interest for their chosen course. Apart from putting attention to attainment of academic excellence, similar stress and importance is given to achieving highest platform in the arena of diverse form of sports and this is manifest by the superb attainment of students of Burdwan University in different games.

## 6.2 Does the Institution have a Management information System?

Although the university does not have a formal MIS system, some of the functions that are usually performed by MIS, are being undertaken by the IQAC unit of the university and the computer centre of the university together. Part of the university works, viz. Secretarial job, publication of results, some part of library functioning like automated acquisition, OPAC, Web OPAC & MOPAC with the modern software KOHA; Bar-coding of books (started) are under MIS. While the IQAC preserves the entire database of the university and tries to locate the lacuna in performance in various departments, the computer centre of the university headed by a system manager is entrusted with the job of managing the university website. Any type of information that is deemed essential for uploading in the university website is sent to this dept and is successfully performed by them. Apart from this each dept tries to maintain its own website in which profile and particulars of each faculty member is separately uploaded and updated.

## 6.3 Quality improvement strategies adopted by the institution for each of the following:

### 6.3.1 Curricular Development

In the context of global scenario of acute competition and diversification, our university is also maintaining diverse activities and introducing newer ones by which new challenges could be faced as well as quality in the academic field could be upgraded. Accordingly, our University has set up different wings/centres in the process of encouraging higher academic pursuits that are also in coherence with the perceived needs of the society.

The University of Burdwan is one of the oldest and largest Universities in West Bengal. University offers a large number of post-graduate programmes of study. It has two major faculties: Faculty of Arts, Commerce, Law, Fine Arts & Music and Faculty of Science under which there are a number of Departments like Arts, Commerce, Science, Education, Engineering & Technology, Law, etc. There are 38 Post-graduate programmes, 4 one-year PG Diploma Courses; M.Phil Programmes in 19 subjects, there are also M.E. on Computer Sc. & Engineering, M.Tech. in Electronics & Communication Engineering (Microwaves). It also runs B.E., BLIS, Foreign Languages, LLB.

Centre for Interdisciplinary Studies (CIS) has been established under the Faculty of Arts, Commerce, Law etc. for pursuing studies and research in the fields of women, governance, human rights, human development etc. An interdisciplinary M.Phil. Programme of Studies on Women and alternative programmes for In-service Police Personnel have been started under the aegis of CIS.

There are 6 PG Arts Courses in 09 affiliated colleges, 11 PG Science Courses in fourteen affiliated colleges, LLM Course in one affiliated college.

University also offers PG Courses in Bengali, English, History, Commerce, Sanskrit, Political Sc., Philosophy, and Mathematics through distance mode of education. Some professional courses in MA/MSc like in Remote Sensing & GIS, MBA are also run in University.

The University has introduced semester system; it reviews curricula at regular intervals and makes efforts to introduce courses that are most urgently needed in the greater interest of the society. Conscious efforts are taken to upgrade the courses on regular basis. The courses are supplemented by field work, practical components, and dissertation wherever required. Industry-University interaction has been initiated with some industries.

### **6.3.2 Teaching and Learning**

Admission process in the University is based on the academic records. Some of the courses, such as Biotechnology, Environmental Science, Management study candidates are selected on the basis of their performance at entrance test and interviews. About 90 to 95% students are from West Bengal. Teaching in the departments is mostly performed by regular faculties, inter-departmental faculty, visiting professors and invited speakers. Apart from usual class lectures, departments take care of imparting improved qualitative and interactive knowledge to the students by arranging invited lectures by external experts in different fields, participatory workshops, seminars, and filed /project works. In some cases there is the practice of conducting socio-economic survey by students and group report writing which is assessed by teachers as a part of their examination. In the process students are exposed to hard realities associated with the livelihood in rural areas and they are sensitized to the necessity of bringing a good social order that reduces inequity in the society. There is also the provision of giving coaching to students for NET examination, extending adult education services, and providing diploma course on stock market operation etc.. University also maintains tutorial classes for the weaker entrants. A section of students are exposed to a variety of co-curricular activities such as NSS, outdoor games, recitation /singing competition, drama etc. They also organise camps on blood donation, Health Awareness, Adventure Programmes, Tree Plantation Programmes, Pulse Polio Immunization Awareness Programmes, Anti-drug Rally, Cleanliness in campus etc.

The University always tries to maintain the total number of teaching days as per UGC norms. Teachers are very particular and sincere in finishing their syllabus within the stipulated time period of each semester. All the teachers update their knowledge through participation in various state, national, international level seminars and conferences, workshops, training programmes etc. The INFLIBNET Centre helps the teachers, researchers and students in their advanced studies. LAN/WIFI connectivity has been introduced in various administrative departments/sections of the University and fibre optic connectivity has been upgraded by 50 micron multimode.

Self-appraisal reports are submitted by the teachers every year and finally transmitted to the Vice-Chancellor for necessary action. Some Departments have linkages with National and State educational and research institutions. University usually approves different types of leaves for encouraging and promoting the teachers in their diverse academic pursuits..

### **6.3.3 Examination and Evaluation**

The examination system is smoothly run under the direct supervision and responsibility of the controllers' dept which have three layers of administration rendered by the b controller, deputy controller and assistant controller. There is the provision of UG and PG board of studies in each department which are in direct touch with the controllers' dept.

There exists three part examination system in UG level, In case of Part I and Part II examination, University arranges UG examinations for about 55,243 candidates and it involves an elaborate

process. Examiners are selected as per the norms set by Academic Council. The panel of examiners is selected by the Board of Studies on the basis of their expertise and experience. The question papers are reviewed and moderated by the subject examination committee to ensure that the guidelines are not transgressed. In post-graduate examinations question papers are furnished by external examiners as well.

University arranges Spot assessment of Answer scripts in all the Final Under-graduate Examinations including Professional Courses. This has been introduced for quick publication of results [Final results are published within a month (approx.)]. This enables under-graduate (Hons.) qualified candidates to take admission in different universities without lapse of any year. Spot assessment system has also been introduced to review the answer scripts of all the Under-graduate Examinations for quick publication of results after reassessment of scripts.

Credit system in subject(s)/ Group of subjects is retained for three consecutive years from the original year of enrolment of all U.G. examinations. However, as per our revised regulations, a candidate (regular/external) shall have to complete Part-I, Part-II and Part-III Honours/General B.A./B.Sc./B.Com. Examination within 7 (seven) years including his/her original enrolment in Part-I examination subject to the condition that not more than 3 consecutive chances shall be allowed in each Part.

- (i) Introduced objective type of questions of minimum 30% in each paper along with subjective type of questions in UG examinations..
- (ii)
  - (a) **Semester system of examinations** have been introduced in M.B.A., M.B.A.(HR), MBA (Tourism), M.C.A., M.C.T., B.E., BLIS, MLIS and M.Tech in Microwaves to achieve good results.
  - (b) **Semester system of examinations** in M.A./M.Sc./M.Com. have been introduced

The examination system has been rendered neutral by the involvement of external experts at the stages of question setting and moderation. At present however, only full internal checking of the scripts is in practice in order to facilitate speedy publication of results. This has been introduced for taking care of subsequent job pursuits /higher studies by the P.G students.

- (iii) Internal Assessment has been introduced in all the Professional Courses such as B.B.A., B.C.A., Bio-technology, M.B.A., M.C.A., M.C.T. etc. and also in the M.A./M.Sc./M.Com. Examinations (Semester System).
- (iv) Submission and examination of Project work, Dissertation along with *viva-voce* test have already been introduced in U.G./P.G. Professional courses & in some of the M.A./M. Sc. Subjects such as in Sociology, Economics, Mass Communication and in all subjects of M.Phil. Courses of studies
- (v)
  - (a) Computerised Admit Cards are issued before the examinations. The admit cards also contain the scanned photograph of the candidates.
  - (b) Computerised mark sheets in all the examinations are issued on the date of publication of results.
  - (c) Provisional Certificates are issued after the publication of results.
  - (d) **Original Computerised Diploma/Certificates** affixing **hologram** and with **University Confidential Securities** are issued on the date of CONVOCATION of the University.
- (vi) To maintain confidentiality of the results of the examination the University has introduced the **“Coding system”** of the answer scripts of all the subjects of P.G. Professional courses in each part/semester examinations/UG Professional examinations *etc. viz.* MBA, MBA(HR), MBA(Tourism), MCA, LL.M., LL.B., 5-Year integrated B.A.LL.B., BLIS, MLIS etc.
- (vii) The University has introduced M.Ed., M.Sc. in Computer Science, Cyber Law, MSW, MFA, P.G. Diploma in Bio-informatics Courses of studies at P.G. Level.
- (viii) In coherence with the right to information, the system of **showing assessed answer scripts** to the students of Post-graduate level has been introduced since 2008. The willing students may see the photocopy of assessed answer scripts on submission of requisite fees and on compliance of usual formalities.

### 6.3.4 Research and Development

A large number of the faculty members are actively engaged in carrying out research programmes. There are 646 full time candidates registered in Ph.D. Programme and 68 part time candidates are pursuing research. The Departments of Bengali, Botany, Chemistry and Physics have CAS of UGC; Mathematics is enjoying DSA; Departments of History, Geography, English, Economics, Sanskrit, and Zoology have implemented DRS Scheme; UIT is implementing Technical Education Quality Improvement Programmes (TEQUIP) Phase – I of AICTE.

Most of the Departments are running sponsored research projects, 47 is ongoing Major Research Project, 6 Minor Research Projects amounting to total of about Rs 8,73,78,666.00. University has a research recognition committee and the Board of Research Studies to facilitate the research activity. As research output of the University during the last year (2012 – 2013) more than 65 research papers have been presented in seminars/ conferences, about 467 have been published in International and 211 in National journals.

Some of the Departments offer consultancy services according to their own areas of expertise.

According to P-index of the Indian Jr. of Science and Technology, the rank of our University was 17<sup>th</sup> in this year (2012), whereas it scales to 15<sup>th</sup> under H-index.

Based on success rate in the UGC/CSIR NET Examination University ranks 12<sup>th</sup> in 2012.

Our University has been identified by the UGC for promotion of Indian Higher Education (PIHEAD).

The faculty of Science has successfully completed the Phase I of PURSE Programme of DST and running the Phase II of the Programme. Promotion of University Research and Scientific Excellence (PURSE) Programme started under Burdwan University.

(i) Botany Department signed MoU with Bose Institute, Kolkata on 9.7.2008 for a bilateral exchange programme of academic activities. Similarly, this department also tied up with a MOU with the Directorate of Seed Research, Mau, UP, an ICAR organization, on 12.06.2008 for bilateral exchange of academic activities.

(ii) Dr. J. P. Keshri has also initiated collaborative research with Dr. Barinova of The Institute of Evolution, University of Haifa, Israel.

(iii) Department of Statistics has established collaboration with USA (Prof. D.K.J. Lin, Prof. M.L. Aggarwal, Prof. Richard Verdugo, Dr. John C. Lowe); South Korea (Prof S.H. Park, Prof Y.J. Lee, Prof. J.S. Park, Dr. J. Kim); Kuwait (Prof. S. Huda); India (Prof. A. Sengupta, Mr. S. Dihidar, Dr. B. B. Mukhopadhyay), Bangladesh (Prof. J. Paul)

(iv) Dr. S.K Mukhopadhyay and Dr. P.Saha of the Department of Micro-Biology have collaborative partners with Goodrick Tea Company and Department of Chemistry, B.U and Department of Botany, B.U

(v) A research scholar's workshop was held in the Dept. of Economics in 2012, in which Ph.D students in the dept under the supervision of different teachers, were made to deliver seminar lectures on their respective research areas. This generated an interactive session of suggestions, comments, modifications etc. between scholars, teachers and discussants alike and this proved immensely helpful for their future work.

269 candidates have been registered for Ph.D degree in different disciplines and 147 candidates have been awarded Ph.D degree in the year of 2012. Throughout the year the coursework for Ph.D. students in all P.G departments have been successfully conducted.

Following Departments are getting assistance/recognition under SAP/COSIST/ASSIST/ DST, FIST and other programmes: (a) DRS – History, Sanskrit, English, Economics & Statistics, (b) CAS – Bengali (Level – II), Botany, Chemistry and Physics (CAS – I), (c) DST FIST –Mathematics, Geography and Statistics, (d) UGC Sponsored Career Oriented Programme (COP) for Social Sciences.

Attempts have been made to generate funds from alumni and also by taking on industries to provide more consultancy programmes. The faculty members of various Departments require to be encouraged to apply for major research projects. To maintain the quality, research monitoring mechanism may be strengthened.

### **6.3.5 Library, ICT and physical infrastructure/ instrumentation**

University ensured an easy access to online e-journals through INFLIBNET and subscribed to CD ROM. The Computer Centre of the University provides internet and related services through NRN (National Knowledge Network) connectivity of MHRD.

Central library provides all necessary books (159225 in number ), theses and journals ( 358 titles) to the PG departments. A number of 6502 e-journals are available from INFLIBNET, constituting nine databases. Other than journals, university subscribes to some e-journal packages. Central Library has a total number of 1189 compact disks for demonstration as required by the students, teachers and others. There are also some audio-cassettes in French, German which are preserved in the departmental library. Central library has already started digital library system by providing services like uploading question papers, syllabus, scanning and other internet based services.

### **6.3.6 Human Resource Management**

The IQAC cell of the university is well equipped to keep track of the academic records of the university teachers and suggest the different departments for undertaking quality improvement drives. It coordinates and guides the efforts of teachers in the right direction, by ventilating the information of each department in order to incite healthy academic competition. The Dean of students takes care of the entire academic administration of the university and liaises with students and teacher community alike for evolving a fruitful and effective academic atmosphere. The board of research studies (BRS) looks after the research pursuits of registered scholars and the incumbents. It monitors their progress. Any lapses or undue delay in external Ph.D. thesis assessment process is mediated effectively by the Registrars' dept.

The University has five academic centres for running vocational courses, diploma courses, training courses etc.

Our Benoy Krishna Choudhury Rural Technology Centre organises some production-cum-training programmes like Duckery Management, Vermiculture, Mushroom Production and Training, Pisciculture, Sericulture, Soil & Water testing etc., most of the courses are funded by UGC and State Govt. At Benoy Krishna Choudury Rural Technology Centre of the University different production-cum-training programmes are conducted. Some of them are Vermiculture, Mushroom Production and Training, Pisciculture, Sericulture, Soil and Water Testing, Computer Based Office Management, Short-term-training on maintenance and repair of Electric and Electronics Apparatus, Cultivation and processing of Aromatic and Medicinal Plants, Non-conventional Energy & Application of Solar Energy, Artificial Breeding and Animal Husbandry etc. Under Indo-Japan Cultural Exchange Programme.

Crop Research and Seed Multiplication Farm (CRSMF) is working intensively for developing new High Yielding Variety (HYV) seeds of various crops, which could be of immense help not only to the research scholars but also to the farmers of the country.

Our Adult Continuing Education & Extension centre runs one-year PG Diploma Course in Population Education, Medical Laboratory Technology, Yoga Therapy, Special Education (Mental Retardation); One-year Certificate on Blood Donor Motivation, Mother-child care & family welfare

There is a College of Arts & Design which runs Diploma and Certificate Course in Art & Designing.

The University has a well-equipped Science and Instrumentation Centre providing facilities to the PG Departments

Academic Staff College organises Orientation and Refresher Course and offer Staff Training Courses for the teaching staff members of our University.

The Meghnad Saha Planetarium & Space Science Research Centre has been set up which provides useful service to the students and the surrounding communities.

The University has VARC for value education and Culture, providing value education and culture to the masses based on the teachings and gospels of eminent personalities like Swami Vivekananda, Rabindranath Tagore etc.

### **6.3.7 Faculty and Staff Recruitment**

Recruitment of faculty and staff is maintained by the guidelines of the University Statute; in case of Faculty, University constitute a selection Committee as per UGC and State Govt. norms and eligibility criteria.

### **6.3.8 Industry interaction/collaboration**

The university has entered into collaboration with a number of industrial enterprises. Different departments are involved in various capacities in this context. The collaboration include enterprises like SINP, DRDO ( GOI ), CEERI (Pilani), Multi-GNSS Asia- (Japan), Research centre Imarat (RCI)DRDO, GOI, Accclaris Business solution Private Ltd. , National Stock Exchange, Matrix Fertilizer and Chemicals, Geostar Navigation , Russia Federation etc.

### **6.3.9 Admission of Students:**

Admission process is very transparent and widely published in daily New Papers and website and in local dailies.

Admission for most of the subjects (MA, MSc, etc.) requires Hons./Spl Hons. In the relevant subjects; for M.Tech., B.E or B.Tech with at least 60% marks in aggregate is essential criteria; for MCA, JECA rank holders and Hons. Graduates having at least 60% marks in Hons. are eligible. In case of M.Ed candidates with at least 55% in B.Ed/B.Ed (Sc) can apply. In most of the courses 60% of the total seats are reserved for students of university affiliated colleges based on the performance in Hons. Papers and remaining 40% seats are filled through Open Admission Test. Again, 5% of the 40% seats are offered to the students from other States which provide an opportunity for good mixing of the students. In case of Biotechnology and Environmental Science 100% of the seats are filled up through Open admission Test due to its multidisciplinary nature.

Reservation of seats for SC (22%), ST (6%) and OBC (5%) is maintained as per State Govt. Rules. Besides these, Persons with Disabilities (PWD), Sports Personality (SP) candidates are getting opportunity as per University Rules.

### **6.11 Activities and support from the Alumni Association**

Burdwan University Alumani Association (BUAA) offers partial financial assistance to five extremely needy regular PG students to the maximum limit of Rs.1000/- per student for meeting a part of their expenses relating to their study. BUAA also provides partial financial assistance to five regular PG students to the maximum limit of Rs.1000/- per student for meeting a part of their expenses relating to emergency hospitalization/medical treatment. The above expenses are met out of the accrued interest from a fixed deposit of Rs. 2.0 lakh that has been made at the State Bank of India, Burdwan University Branch. Our Golapbag campus today looks more beautiful than before because of the sincere effort of BUAA in association with the University authorities. Well decorated green beautiful hedges have grown and are regularly nourished and maintained by the association. Provision has also been made to provide rent-free accommodation at the University Guest House to the registered members of BUAA and the members of their family. For meeting the said expenses a sum of rupees one lakh has been given to the university authorities.

### **6.12 Activities and support from the parent-teacher association:**

Burdwan University Teachers' Association (BUTA) takes up the need of the departments from time to time.

### **6.13 Development programmes for support staff**

The administrative officers, supervisory staff and other employees are getting computer training for improving their personal efficiency. Besides this the officers and the staff attend various seminars for improving the skill in their professional activities in the field of regular office work.

Outdoor health facility service is offered to students, research scholars, university employees and teachers including their families which include employees' wife, children and dependent parents residing with him/her. Hostel workers and their families are also served.

There are two full time Medical Officers along with different units of service: Pathology, Ophthalmology, Gynecology, Cardiology, X-ray Unit, Ultrasonography Unit, Dental and Physiotherapy Unit are giving health support to the students, staff both teaching and non-teaching. One Homoeopathy Medical Officer serves the Homoeopathy Unit. We have Pulmonary Function Test Unit. Besides this, we have introduced Holter Monitoring at the Cardiology Unit. Pulse Oximeter has also been introduced to support the emergency service. The Physiotherapy Unit has been improved with introduction of some new instruments. The Dental Unit has been furnished with a new dental chair for better service to the patients.

The retired persons of University can avail of the above facilities as well. Internees from Burdwan Medical College are posted regularly as part of their training programme at our centre, which is utilized as urban training centre. Students of Government Nursing College of Burdwan are posted time to time here. Internees of PG diploma course on Yoga Therapy which is conducted by the university are posted at our Health Centre as part of their training.

We have also started Family welfare and Immunization Programme since 12.11.1992. It is still continuing and is supported by Burdwan Medical College. It serves not only University employees but also the locality.

We have conducted assessment of drinking water quality of different places of university with the help of Environmental Science Department. Pulse Polio Immunization Programme has also been conducted with active co-operation of Burdwan Medical College. Other camps like estimation of Glycosylated Hemoglobin, Blood Sugar, Lung Function Test etc. have been conducted.

#### **6.14 Initiatives taken by the institution to make the campus eco-friendly**

Efforts have been taken to plant saplings of different species of trees alongside the banks of the water bodies inside the campus

An action plan has been taken to increase the depth of the water bodies in the Golapbag campus in order to enhance their water holding capacity prevent siltation

Dustbin has been placed at regular distances inside the Golapbag campus so that garbage is not littered outside.

The university has a vast farming area which assumes a completely greenish cover during rainy season and autumn due to plantation of various types of vegetables and this is in coherence with the objective of making the campus carbon neutral.

Periodic de-weeding and spraying pesticides over the vegetative cover in the campus is in practice for a long time

The campus is rich in having a number of rare and valuable species of plants. Efforts have been taken to make documentation and numbering of the plants

A drive has recently been taken to rehabilitate some university staff elsewhere, who were living in the Golapbag premises. This has enhanced the open space and the ambience has been turned into more eco-conservative one..

## **7. Innovations and Best Practices**

### **7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details**

The university has tried to introduce a number of innovative drives in the academic field through the concerned depts.

In order to enhance their presentation power and inculcate incisive research oriented outlook, students are encouraged for seminar presentation on a regular basis. This enhances their interaction and intimate contact with the teachers. Apart from this, drive has been initiated in a number of departments to introduce inter-disciplinary components in their syllabus and encourage Ph.D students to undertake research on inter-disciplinary topics. This has been accomplished through a renewed focus on the necessity of frequent Student teacher interaction which has been helpful in eliciting the requirements of the student community and reflect them on the syllabus. Audio –visual learning and reading have been emphasized. Sharing of instruments for research purpose across various depts. has been encouraged for promoting interdisciplinary studies. Besides this, this drive saves time and money for teachers and students alike for seeking the service of the instruments from other institutions. On-line admission system at post- graduate level has been started for the first time in the university. In this regard our university can claim to have taken the pioneering drive in West Bengal. This eases the function of the university regarding conducting admission process, avoids unnecessary crowd of students in the university campus and remarkably reduces their grievances. In order to extend services to the adjoining community legal aid camps have been organized for downtrodden people in the neighbourhood region of the university. Socio- economic survey has been conducted through the help of students in order to assess the livelihood condition of rural people and submit a report to local authorities. Visits by students to small/medium industrial enterprises in the nearby localities have been promoted to inculcate in them a spirit of entrepreneurship and enabling them to understand the strengths and weaknesses of operating these types of enterprises. All these extension drives introduced in this year have enhanced the application oriented acceptability of the academic functioning of the university among the people in the society.

### **7.4 Contribution to environmental awareness/ protection:**

The university authority has taken the drive of planting more saplings along the banks of the water body surrounding the campus. Efforts have been initiated to enhance the depth of these water bodies. The existing trees have been numbered for better identification purposes. Dustbins have been placed in various parts of the campus with the catchword ‘use me’. Anti-ragging (penalty notification) boards have been placed in some important places. Programme of periodical cleaning of the weeds, bushes and shrubs have been undertaken. Zoology and Botany students are often involved in collecting sample from biodiversity rich area of the campus. This also exposes them to the importance of protecting the flora and fauna in the campus.

## 2.5 Faculty participation in conferences and symposia

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>No. of Faculty</i>	<i>International level</i>	<i>National level</i>	<i>State level</i>
Bengali	Attended Seminars/Workshops			
	Presented papers	02	01	
	Resource Persons		09	05
Business Administration	Attended Seminars/Workshops		1	1
	Presented papers	4	3	1
	Resource Persons	1	8	2
Business Administration (HR)	Attended Seminars/Workshops			
	Presented papers	2	2	
	Resource Persons		1	
Commerce	Attended Seminars/Workshops	1	0	0
	Presented papers	6	8	0
	Resource Persons	0	1	0
Economics	Attended Seminars/Workshops	3	3	
	Presented papers	5	4	2
	Resource Persons	1	3	
English & Culture Studies	Attended Seminars/Workshops			
	Presented papers	04	10	
	Resource Persons	02	14	
Foreign Language	Attended Seminars/Workshops	01	Nil	Nil
	Presented papers	01	Nil	Nil
	Resource Persons	Nil	Nil	Nil
Hindi	Attended Seminars/Workshops	Nil	15	Nil
	Presented papers	01	10	Nil
	Resource Persons	Nil	08	Nil
History	Attended Seminars/Workshops			
	Presented papers	4	11	4
	Resource Persons		3	1
Law	Attended Seminars/Workshops	2	4	
	Presented papers	8	5	
	Resource Persons	1	7	
Library and Information Science	Attended Seminars/Workshops	0	4	1
	Presented papers	0	3	0
	Resource Persons	0	3	0
Mass Communication	Attended Seminars/Workshops			1
	Presented papers	2	2	
	Resource Persons			
Philosophy	Attended Seminars/Workshops			
	Presented papers	02	13	03
	Resource Persons		05	

Political Science	Attended Seminars/Workshops	4	7	0
	Presented papers	6	2	0
	Resource Persons	3	2	0
Sanskrit	Attended Seminars/Workshops			
	Presented papers			2
	Resource Persons		1	
Sociology	Attended Seminars/Workshops	1	8	0
	Presented papers	1	8	0
	Resource Persons		4	0
Tourism Management	Attended Seminars/Workshops	5	4	8
	Presented papers	2	10	12
	Resource Persons	2	12	12
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>No. of Faculty</i></b>	<b><i>International level</i></b>	<b><i>National level</i></b>	<b><i>State level</i></b>
Bio-Technology	Attended Seminars/Workshops		2	
	Presented papers		3	
	Resource Persons		1	
Botany	Attended Seminars/Workshops	Nil	2	Nil
	Presented papers	Nil	2	2
	Resource Persons	3	13	Nil
Chemistry	Attended Seminars/Workshops	01	04	15
	Presented papers	02	10	15
	Resource Persons	01	04	Nil
Computer Science	Attended Seminars/Workshops	13	2	2
	Presented papers	6	2	1
	Resource Persons			
Education	Attended Seminars/Workshops			
	Presented papers	1	4	2
	Resource Persons			2
Environmental Science	Attended Seminars/Workshops	0	4	--
	Presented papers	1	4	--
	Resource Persons	4	12	--
Geography	Attended Seminars/Workshops	04	11	02
	Presented papers	08	12	02
	Resource Persons	02	07	02
Mathematics	Attended Seminars/Workshops	04	06	01
	Presented papers	01	02	01
	Resource Persons	10	03	03
Microbiology	Attended Seminars/Workshops			
	Presented papers		01	
	Resource Persons			
Physics	Attended Seminars/Workshops	07	18	04
	Presented papers	06	28	03
	Resource Persons	0	06	01

Statistics	Attended Seminars/Workshops	2	2	0
	Presented papers	1	1	0
	Resource Persons	1	1	0
Zoology	Attended Seminars/Workshops		12	
	Presented papers		2	
	Resource Persons	1	1	

**Innovative processes adopted by the Department in Teaching and Learning (if any)**

<b><i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i></b>	
Bengali	LCD projector and audio player being used time to time
Business Administration	Nil
Business Administration (HR)	Group assignment, role playing, case-based teaching, etc
Commerce	Nil
Economics	
English & Culture Studies	Teachers of the department often use power point presentations to deliver lectures.
Foreign Language	
Hindi	Organising different literary activities e.g. Recitation, Quiz, Book review, Debate, Discussion
History	Taking tutorial classes with M.A. students
Law	LCD Projector, laptop etc are used time to time.
Library and Information Science	Nil
Mass Communication	<ul style="list-style-type: none"> <li>✓ Assigned PPT Project for Students.</li> <li>✓ Internship for the student of 4<sup>th</sup> Semester in 9 organisations (Newspaper, TV, NGO, PR Firm, FM Radio station).</li> <li>✓ Special Lecture by Prof Biswajit Das, Director, Media Governance and Culture, Jamia Milia University, New Delhi.</li> </ul>
Philosophy	i) Teacher-student meets (ii) Interactive method
Political Science	X
Sanskrit	NA
Sociology	Use of teaching aids like OHP, LCD.
Tourism Management	
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	
Bio-Technology	Nil
Botany	Through field work, hands on training, case study, project based work
Chemistry	Interdisciplinary programmes have been introduced in the PG syllabus. Project work, term paper, presentation of seminar lecture and visit to research institutes or industries by the PG students are included in the M Sc course. Exhaustive advanced study has been adopted in the Ph D course work.
Computer Science	
Education	Teachers practice the latest technology based transaction system in their delivery of lectures and transactions.
Environmental Science	Development of models and posters, charts are encouraging the students in effective learning
Geography	Field visit, Survey and Preparation of Land use by Renowned Scientist visiting

	the Department
Mathematics	Some of the faculty members are using ICT facility in teaching and learning process
Microbiology	Arrangement of Seminar delivered by M.Sc.students, Demonstration of instruments in different Departments of the University, Visit to reputed National Research Laboratories and Industries like NFTRI, Mysore, Bangalore Geni and Class teaching using LCD Projector, Animation, PPT
Physics	Based on the performance of the Mid-Semester examinations, students had been treated and accordingly, provided with remedial classes, take-care, and guidance.
Statistics	(i) Through seminar presentation by the faculty members and senior students on some courses have been adopted as a new teaching and research process. (ii) Some field study on real life data have been adopted by the students along with the guidance of the teachers to learn practical Statistics, writing and preparing project reports and also interest for the research.
Zoology	a. Interaction with students b. Group discussion c. Assignments d. Seminar e. Demonstration practical/ project work f. Educational tour/Visit to National laboratories and Research institutions

**Total No. of actual teaching days during this academic year**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	Days
Bengali	178
Business Administration	247
Business Administration (Human Resource)	233
Commerce	233
Economics	180
English & Culture Studies	198
Foreign Language	190
Hindi	233
History	229
Law	179
Library and Information Science	192
Mass Communication	172
Philosophy	106
Political Science	290
Sanskrit	180
Sociology	229
Tourism Management	180
<i>Faculty Council for Post-graduate Studies in Science</i>	<b>Days</b>
Bio-Technology	233
Botany	233
Chemistry	Approx 210 (including some special condensed classes)

Computer Science	180
Education	180
Environmental Science	280
Geography	206
Mathematics	204
Microbiology	178
Physics	234
Statistics	234
Zoology	234

**No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	
Bengali	11
Business Administration	4
Business Administration (HR)	2
Commerce	Nil
Economics	12
English & Culture Studies	08
Foreign Language	03
Hindi	05
History	There was no workshop on syllabus restructuring/curriculum development programme during this year
Law	06
Library and Information Science	5
Mass Communication	2
Philosophy	i) All teachers as member of P.G. Board of Studies and Research Advisory Committee ii) Head of the Department as ex-officio Chairman; and Professor Sunil Roy and Professor Rajat Bhattacharya as members.
Political Science	All Faculty members are involved in these academic programmes
Sanskrit	5
Sociology	6
Tourism Management	4
<i>Faculty Council for Post-graduate Studies in Science</i>	
Bio-Technology	6
Botany	12
Chemistry	All the seventeen faculty members of the department
Computer Science	4
Education	All the members are involved in revision and restructuring of syllabus/curriculum.
Environmental Science	All the faculty members are involved in curriculum development
Geography	Nil

Mathematics	10 faculty members were involved in curriculum restructuring and syllabus development as member of Post Graduate Board of Studies
Microbiology	05
Physics	17
Statistics	4
Zoology	12

**Average percentage of attendance of students**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	%
Bengali	90
Business Administration	67
Business Administration (HR)	74
Commerce	60
Economics	75
English & Culture Studies	70
Foreign Language	40
Hindi	52
History	65
Law	85
Library and Information Science	60
Mass Communication	65% and above: 65% 50% to 65%: 35%
Philosophy	75
Political Science	75 - 80
Sanskrit	80
Sociology	60-70
Tourism Management	65
<i>Faculty Council for Post-graduate Studies in Science</i>	%
Bio-Technology	65
Botany	89
Chemistry	80
Computer Science	65
Education	70
Environmental Science	85 to 90% on average
Geography	72
Mathematics	80
Microbiology	80
Physics	75
Statistics	82
Zoology	75

**Course/Programme wise distribution of pass percentage**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Title of the Programmes</i>	<i>Total No. of Students</i>	<i>No. of Students appeared</i>	<i>First Class</i>	<i>Second Class</i>
Bengali	M. A.	185	180	176	04
	M. Phil	03	03	03	
	Others				
Business Administration	M.B.A.	27	27	21	6
	M. Phil				
	Others				
Business Administration (HR)	M.B.A. (HR)	25	25	16	9
	M. Phil				
	Others				
Commerce	M. Com.	87	87	37	50
	M. Phil	3	1	1	
	Others				
Economics	M. Sc.	128	125	65	50
	M. Phil				
	Others				
English & Culture Studies	M. A.	288	280	-	-
	M. Phil	08	04	04	Nil
	Others				
Foreign Language	M. A.				
	M. Phil				
	Others Certificate	45	09	06	03
	Diploma	04	02	02	--
	Adv Diploma	01	--	--	--
Hindi	M. A.	288	288	21 <small>3<sup>rd</sup> Semester</small>	35
	M. Phil	08	07	07	-
	Others	-	-	-	-
History	M. A.		134	65	67
	M. Phil	Nil			
	Ph D Coursework	8	8		
Law	M. A. LL.M	108	77	02	19
	M. Phil				
	Others LL.B	340	286	11	17
Library and Information Science	M. A.	63	47	31	16
	M. Phil	15	16	12	3
	Others	0	0	0	0
Mass Communication	M. A.	161	161	80	81
	M. Phil				
	Others				
Philosophy	M. A.	85	79	51	28

	M. Phil	05	05	05	Nil
	Others: Ph.D Course-work	04	04	Qualified: 04	
Political Science	M. A.	100	98	15%	85%
	M. Phil	X	X	X	X
	Ph.D.	X	X	X	X
Sanskrit	M. A.	100	100	65	35
	M. Phil				
	Others				
Sociology	M. A.	52	45	4	41
	M. Phil				
	Others				
Tourism Management	M. A.	17	15	15	Nil
	M. Phil				
	Others				
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>Title of the Programmes</i></b>	<b><i>Total No. of Students</i></b>	<b><i>No. of Students appeared</i></b>	<b><i>First Class</i></b>	<b><i>Second Class</i></b>
Bio-Technology	M. Sc.	43	25	25	Nil
	M. Phil	NA			
	Others	NA			
Botany	M. Sc.	55	55	54	1
	M. Phil	Nil	Nil	Nil	Nil
	Others	Nil	Nil	Nil	Nil
Chemistry	M. Sc.	144 <small>(Sem-I + Sem-III)</small>	144 <small>(Sem-I + Sem-III)</small>	142	02
	M. Phil	Nil	Nil	Nil	Nil
	Others (Ph.D. course work)	23	23	23	Nil
Computer Science	M. Sc.				
	M. Phil				
	Others (MCA)	60	56	54	2
Education	M. Sc.				
	M.Ed	25	22	20	02
	Others (B.Ed)	70	67	67	00
Environmental Science	M. Sc.	24 25	24	24	--
	M. Phil	--	--	--	--
	Others	--	--	--	--
Geography	M. Sc.	60	58	55	03
	M. Phil	-	-	-	-
	Others	-	-	-	-
Mathematics	M. Sc.	105	80	75	4
	M. Phil	Nil	Nil	Nil	Nil
	Others	Nil	Nil	Nil	Nil
Microbiology	M. Sc. Sem IV	16	15	11	2

	(July12)				
	M. Phil	NA	NA	NA	NA
	Others	NA	NA	NA	NA
Physics	M. Sc.	166	80	65	07
	M. Phil	Nil	Nil	Nil	Nil
	Others M. Tech.	30	15	09	06 (D)
Statistics	M. Sc.	14	14	11	3
	M. Phil	-	-	-	-
	Others (Ph.D.)	6 (Enrolled)	2 (Awarded)	-	-
Zoology	M. Sc. IV Sem	80	73	68	5
	M. Phil	1	1	1	0
	Others				

### **2.13 Initiatives undertaken towards faculty development**

<b><i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i></b>	<b><i>Faculty / Staff Development Programmes</i></b>	<b><i>Number of faculty benefitted</i></b>
Bengali	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer/Winter schools, Workshops, etc.	
	Others	
Business Administration	Refresher courses	1
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Business Administration (HR)	Refresher courses	1
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	1

	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Commerce	Refresher courses	1
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Economics	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	2
	Others	
English & Culture Studies	Refresher courses	01
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	01
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Foreign Language	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Hindi	Refresher courses	-
	UGC – Faculty Improvement Programme	-
	HRD programmes	-
	Orientation programmes	-
	Faculty exchange programme	-

	Staff training conducted by the university	-
	Staff training conducted by other institutions	-
	Summer / Winter schools, Workshops, etc.	01
	Others	-
History	Refresher courses	1
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	1
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	1
	Others	
Law	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Library and Information Science	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Mass Communication	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Philosophy	Refresher courses	01
	UGC – Faculty Improvement Programme	00
	HRD programmes	00
	Orientation programmes	00

	Faculty exchange programme	00
	Staff training conducted by the university	00
	Staff training conducted by other institutions	00
	Summer / Winter schools, Workshops, etc.	01
	Others	00
Political Science	Refresher courses	01
	UGC – Faculty Improvement Programme	X
	HRD programmes	X
	Orientation programmes	X
	Faculty exchange programme	X
	Staff training conducted by the university	
	Staff training conducted by other institutions	X
	Summer / Winter schools, Workshops, etc.	X
	Others	X
Sanskrit	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Sociology	Refresher courses	1
	UGC – Faculty Improvement Programme	0
	HRD programmes	0
	Orientation programmes	0
	Faculty exchange programme	0
	Staff training conducted by the university	1
	Staff training conducted by other institutions	0
	Summer / Winter schools, Workshops, etc.	0
	Others	0
Tourism Management	Refresher courses	X
	UGC – Faculty Improvement Programme	X
	HRD programmes	X
	Orientation programmes	X
	Faculty exchange programme	X
	Staff training conducted by the university	X
	Staff training conducted by other institutions	X
	Summer / Winter schools, Workshops, etc.	X
	Others	X
<b>Faculty Council for Post-graduate Studies in Science</b>	<b>Faculty / Staff Development Programmes</b>	<b>Number of faculty benefitted</b>
Bio-Technology	Refresher courses	01

	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Botany	Refresher courses	01
	UGC – Faculty Improvement Programme	Nil
	HRD programmes	Nil
	Orientation programmes	Nil
	Faculty exchange programme	Nil
	Staff training conducted by the university	01
	Staff training conducted by other institutions	Nil
	Summer / Winter schools, Workshops, etc.	Nil
	Others	Nil
Chemistry	Refresher courses	Nil
	UGC – Faculty Improvement Programme	Nil
	HRD programmes	Nil
	Orientation programmes	01
	Faculty exchange programme	Nil
	Staff training conducted by the university	Nil
	Staff training conducted by other institutions	Nil
	Summer / Winter schools, Workshops, etc.	Nil
	Others	Nil
Computer Science	Refresher courses	3
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Education	Refresher courses	2
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	1
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	1
	Others	

Environmental Science	Refresher courses	--
	UGC – Faculty Improvement Programme	---
	HRD programmes	--
	Orientation programmes	--
	Faculty exchange programme	--
	Staff training conducted by the university	--
	Staff training conducted by other institutions	--
	Summer / Winter schools, Workshops, etc.	1
	Others	--
Geography	Refresher courses	-
	UGC – Faculty Improvement Programme	01
	HRD programmes	-
	Orientation programmes	-
	Faculty exchange programme	-
	Staff training conducted by the university	-
	Staff training conducted by other institutions	-
	Summer / Winter schools, Workshops, etc.	-
	Others	-
Mathematics	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Microbiology	Refresher courses	
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	
	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	01
	Others	
Physics	Refresher courses	Nil
	UGC – Faculty Improvement Programme	
	HRD programmes	
	Orientation programmes	
	Faculty exchange programme	
	Staff training conducted by the university	

	Staff training conducted by other institutions	
	Summer / Winter schools, Workshops, etc.	
	Others	
Statistics	Refresher courses	-
	UGC – Faculty Improvement Programme	-
	HRD programmes	-
	Orientation programmes	-
	Faculty exchange programme	-
	Staff training conducted by the university	1
	Staff training conducted by other institutions	-
	Summer / Winter schools, Workshops, etc.	-
	Others	4
Zoology	Refresher courses	2
	UGC – Faculty Improvement Programme	1
	HRD programmes	0
	Orientation programmes	0
	Faculty exchange programme	0
	Staff training conducted by the university	1
	Staff training conducted by other institutions	0
	Summer / Winter schools, Workshops, etc.	2
	Others	0

#### **2.14 Details of Administrative and Technical staff**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Category</i>	<i>Number of Permanent Employees</i>	<i>Number of Vacant Positions</i>	<i>Number of permanent positions filled during the Year</i>	<i>Number of positions filled temporarily</i>
Bengali	Administrative Staff	07	X	X	X
	Technical Staff	X	X	X	X
Business Administration	Administrative Staff	3			
	Technical Staff				
Business Administration (HR)	Administrative Staff	Nil	Nil	Nil	Nil
	Technical Staff	Nil	Nil	Nil	Nil
Commerce	Administrative Staff	5	1	Nil	Nil
	Technical Staff				
Economics	Administrative Staff	2	1		
	Technical Staff				
English & Culture Studies	Administrative Staff	03	01	NIL	NIL
	Technical Staff	Nil	Nil	Nil	Nil
Foreign Language	Administrative Staff	02	01	NIL	NIL
	Technical Staff	Nil	Nil	Nil	Nil
Hindi	Administrative Staff	02	Nil	Nil	Nil
	Technical Staff	N.A.	N.A.	N.A.	N.A.

History	Administrative Staff	2			
	Technical Staff				
Law	Administrative Staff	6	1		
	Technical Staff				
Library and Information Science	Administrative Staff	2	0	0	0
	Technical Staff	0	1	0	0
Mass Communication	Administrative Staff	3			
	Technical Staff	0			
Philosophy	Administrative Staff	04	Nil	N.A.	N.A.
	Technical Staff	01	Nil	N.A.	N.A.
Political Science	Administrative Staff	X	X	X	X
	Technical Staff	2	1	X	X
Sanskrit	Administrative Staff	2	1	-	-
	Technical Staff	-	-	-	-
Sociology	Administrative Staff	2	0	0	0
	Technical Staff	0	0	0	0
Tourism Management	Administrative Staff	1	X	X	X
	Technical Staff				
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>Category</i></b>	<b><i>Number of Permanent Employees</i></b>	<b><i>Number of Vacant Positions</i></b>	<b><i>Number of permanent positions filled during the Year</i></b>	<b><i>Number of positions filled temporarily</i></b>
Bio-Technology	Administrative Staff	2		NA	NA
	Technical Staff	1		NA	NA
Botany	Administrative Staff	05	Nil	04	Nil
	Technical Staff	11 (10 Others)	05	Nil	Nil
Chemistry	Administrative Staff	13	10	Nil	Nil
	Technical Staff	Nil	Nil	Nil	Nil
Computer Science	Administrative Staff	2	0		
	Technical Staff	1	1		
Education	Administrative Staff	2	3	Nil	Nil
	Technical Staff	5	2	Nil	Nil
Environmental Science	Administrative Staff	1	--	--	--
	Technical Staff	2	--	--	--
Geography	Administrative Staff	5		-	-
	Technical Staff	5	2	-	-
Mathematics	Administrative Staff	03	Nil	Nil	Nil
	Technical Staff	05	Nil	Nil	Nil
Microbiology	Administrative Staff	2	Nil	Nil	01
	Technical Staff	1	Nil	Nil	01
Physics	Administrative Staff	05	01	Nil	Nil
	Technical Staff	27	15	Nil	Nil

Statistics	Administrative Staff	2			
	Technical Staff	01			
Zoology	Administrative Staff	5		0	0
	Technical Staff	5	10		

### **3.2 Details regarding major projects**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>		<i>Completed</i>	<i>Ongoing</i>	<i>Sanctioned</i>	<i>Submitted</i>
Bengali	Number		01		
	Outlay in Rs. Lakhs		4,85,200/-		
Business Administration	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Business Administration (HR)	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Commerce	Number		1		
	Outlay in Rs. Lakhs		6,20,275/-		
Economics	Number	3	5		
	Outlay in Rs. Lakhs	4,50,000/-, 1,50,000/-	4,85,900/- 36,29,458/- 4,00,000/- 5,00,000/- 6,00,000/-		
English & Culture Studies	Number	Nil	Nil	Nil	Nil
	Outlay in Rs. Lakhs	Nil	Nil	Nil	Nil
Foreign Language	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Hindi	Number	Nil	Nil	Nil	Nil
	Outlay in Rs. Lakhs	-	-	-	-
History	Number	None (Applied for up-gradation of the UGC-SAP-DRS Programme to Level II)			
	Outlay in Rs. Lakhs	None (Applied for up-gradation of the UGC-SAP-DRS Programme to Level II)			
Law	Number		1		
	Outlay in Rs. Lakhs		10 lac		
Library and Information Science	Number		1		
	Outlay in Rs. Lakhs		182		
Mass Communication	Number				
	Outlay in Rs. Lakhs				
Philosophy	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Political Science	Number	1	1	X	X
	Outlay in Rs. Lakhs				
Sanskrit	Number	NA			
	Outlay in Rs. Lakhs	NA			
Sociology	Number			1	

	Outlay in Rs. Lakhs			879600	
Tourism Management	Number	Nil			
	Outlay in Rs. Lakhs				
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>		<b><i>Completed</i></b>	<b><i>Ongoing</i></b>	<b><i>Sanctioned</i></b>	<b><i>Submitted</i></b>
Bio-Technology	Number		1		
	Outlay in Rs. Lakhs		12		
Botany	Number		1		2
	Outlay in Rs. Lakhs		8,37,400/-		37 L
Chemistry	Number	02	08	Nil	04
	Outlay in Rs. Lakhs	66.8	200.00	-	80.00
Computer Science	Number				
	Outlay in Rs. Lakhs				
Education	Number	NA			
	Outlay in Rs. Lakhs				
Environmental Science	Number	4	5	0	2
	Outlay in Rs. Lakhs	37,33,509/-	35,11,950/-		
Geography	Number		4		
	Outlay in Rs. Lakhs		65,26,760/-		
Mathematics	Number	Nil	03	Nil	Nil
	Outlay in Rs. Lakhs		33		
Microbiology	Number		04		02
	Outlay in Rs. Lakhs		46,59,998/-		
Physics	Number	02	04	-	-
	Outlay in Rs. Lakhs	28.8	90.43	-	-
Statistics	Number	Nil			
	Outlay in Rs. Lakhs				
Zoology	Number	2	7		
	Outlay in Rs. Lakhs	43.44	119.04		

### **3.3 Details regarding minor projects**

<b><i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i></b>		<b><i>Completed</i></b>	<b><i>Ongoing</i></b>	<b><i>Sanctioned</i></b>	<b><i>Submitted</i></b>
Bengali	Number	X			
	Outlay in Rs. Lakhs				
Business Administration	Number	Nil			
	Outlay in Rs. Lakhs				
Business Administration (HR)	Number	Nil			
	Outlay in Rs. Lakhs				
Commerce	Number		1		
	Outlay in Rs. Lakhs		130000/-		

Economics	Number	1			
	Outlay in Rs. Lakhs	1,50,000/-			
English & Culture Studies	Number	Nil	Nil	Nil	Nil
	Outlay in Rs. Lakhs	Nil	Nil	Nil	Nil
Foreign Language	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Hindi	Number	Nil	Nil	Nil	Nil
	Outlay in Rs. Lakhs	-	-	-	-
History	Number	None			
	Outlay in Rs. Lakhs	None			
Law	Number	1			
	Outlay in Rs. Lakhs	2 lac			
Library and Information Science	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Mass Communication	Number				
	Outlay in Rs. Lakhs				
Philosophy	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Political Science	Number	1			
	Outlay in Rs. Lakhs	30,000/-	X		X
Sanskrit	Number	NA			
	Outlay in Rs. Lakhs	NA			
Sociology	Number				
	Outlay in Rs. Lakhs				
Tourism Management	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>		<b><i>Completed</i></b>	<b><i>Ongoing</i></b>	<b><i>Sanctioned</i></b>	<b><i>Submitted</i></b>
Bio-Technology	Number	NA			
	Outlay in Rs. Lakhs	NA			
Botany	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Chemistry	Number	Nil	03	Nil	Nil
	Outlay in Rs. Lakhs	-	06	-	-
Computer Science	Number				
	Outlay in Rs. Lakhs				
Education	Number	NA			
	Outlay in Rs. Lakhs	NA			
Environmental Science	Number	1	1		
	Outlay in Rs. Lakhs	2,00,000/-	1,45,000/-		
Geography	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Mathematics	Number	Nil			
	Outlay in Rs. Lakhs	Nil			

Microbiology	Number	Nil			
	Outlay in Rs. Lakhs	Nil			
Physics	Number				
	Outlay in Rs. Lakhs				
Statistics	Number	-	01	-	-
	Outlay in Rs. Lakhs	-	3.5	-	-
Zoology	Number	Nil			
	Outlay in Rs. Lakhs	Nil			

### **3.4 Details on research publications**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>		<i>International</i>	<i>National</i>	<i>Others</i>
Bengali	Peer Review Journals		14	02
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings			
Business Administration	Peer Review Journals	2	4	
	Non-Peer Review Journals			
	e-Journals	2	1	
	Conference proceedings			
Business Administration (HR)	Peer Review Journals			
	Non-Peer Review Journals			
	e-Journals		1	
	Conference proceedings	2	1	
Commerce	Peer Review Journals	29	14	Nil
	Non-Peer Review Journals	Nil	Nil	Nil
	e-Journals	Nil	Nil	Nil
	Conference proceedings	1	Nil	Nil
Economics	Peer Review Journals	15	18	
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings		10	
English & Culture Studies	Peer Review Journals			
	Non-Peer Review Journals		04	
	e-Journals		01	
	Conference proceedings		06	
Foreign Language	Peer Review Journals	Nil		
	Non-Peer Review Journals	Nil		
	e-Journals	Nil		
	Conference proceedings	Nil		
Hindi	Peer Review Journals			
	Non-Peer Review Journals		11	-

	e-Journals		-	-
	Conference proceedings		01	
History	Peer Review Journals		2	
	Non-Peer Review Journals		2	
	e-Journals			
	Conference proceedings		2	
Law	Peer Review Journals	1	4	
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings			
Library and Information Science	Peer Review Journals	8	4	0
	Non-Peer Review Journals	0	0	0
	e-Journals	7	0	0
	Conference proceedings	0	7	0
Mass Communication	Peer Review Journals	1	5	
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings			
Philosophy	Peer Review Journals	01	10	00
	Non-Peer Review Journals	00	00	00
	e-Journals	00	00	00
	Conference proceedings	00	00	00
Political Science	Peer Review Journals	3	11	X
	Non-Peer Review Journals	X	X	X
	e-Journals	X	X	X
	Conference proceedings	X	X	X
Sanskrit	Peer Review Journals			20
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings			
Sociology	Peer Review Journals		2	
	Non-Peer Review Journals		3	
	e-Journals		5	
	Conference proceedings			
Tourism Management	Peer Review Journals	08	08	-
	Non-Peer Review Journals	-	-	-
	e-Journals	02	-	-
	Conference proceedings	-	-	-
<b>Faculty Council for Post-graduate Studies in Science</b>		<b>International</b>	<b>National</b>	<b>Others</b>
Bio-Technology	Peer Review Journals	12	8	
	Non-Peer Review Journals	1		
	e-Journals	12	8	

	Conference proceedings			
Botany	Peer Review Journals	30	23	Nil
	Non-Peer Review Journals	Nil	Nil	Nil
	e-Journals	2	Nil	Nil
	Conference proceedings	Nil	1	Nil
Chemistry	Peer Review Journals	95	20	Nil
	Non-Peer Review Journals	Nil	Nil	Nil
	e-Journals	Nil	Nil	Nil
	Conference proceedings	Nil	01	Nil
Computer Science	Peer Review Journals	18	3	
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings			
Education	Peer Review Journals	3	3	
	Non-Peer Review Journals			
	e-Journals	1		
	Conference proceedings		1	
Environmental Science	Peer Review Journals	53	22	
	Non-Peer Review Journals			
	e-Journals	43		
	Conference proceedings	6		
Geography	Peer Review Journals	10	12	-
	Non-Peer Review Journals	01	02	-
	e-Journals	04	-	-
	Conference proceedings	-	-	-
Mathematics	Peer Review Journals	36	01	
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings	02		
Microbiology	Peer Review Journals	20	01	
	Non-Peer Review Journals			01
	e-Journals			
	Conference proceedings			
Physics	Peer Review Journals	54	-	-
	Non-Peer Review Journals	-	-	-
	e-Journals	05	-	-
	Conference proceedings	13	11	-
Statistics	Peer Review Journals	13	5	-
	Non-Peer Review Journals	-	-	-
	e-Journals	-	-	-
	Conference proceedings	-	-	-
Zoology	Peer Review Journals	55	17	
	Non-Peer Review Journals			

	e-Journals	10	02	
	Conference proceedings			

### **3.5 Details on Impact factor of publications**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Range</i>	<i>Average</i>	<i>h-index</i>	<i>Nos. in SCOPUS</i>
Bengali			X	
Business Administration			N.A.	
Business Administration (HR)				
Commerce				
Economics			N.A.	
English & Culture Studies			Nil	
Foreign Language				
Hindi	-	-	-	-
History			N.A.	
Law				
Library and Information Science				
Mass Communication				
Philosophy			Nil/NA	
Political Science	X	X	X	X
Sanskrit			NA	
Sociology				
Tourism Management				
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Range</i>	<i>Average</i>	<i>h-index</i>	<i>Nos. in SCOPUS</i>
Bio-Technology	0.5-5	1.5		
Botany	0.129-3.08	1	47	142
Chemistry	0.4 - 12.7	1.7	10	10
Computer Science	1-4	2.5	7	
Education				
Environmental Science	0.103-2.32	.6588	14	35
Geography			NA	
Mathematics				
Microbiology	0- 6.38	3.344		
Physics	0.0-4.814	1.79	10.3	1262
Statistics	0.1 to 1	-	-	-
Zoology	0.4-3.9	1.5	8	43

**3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Nature of the Project</i>	<i>Duration Year</i>	<i>Name of the funding Agency</i>	<i>Total grant sanctioned</i>	<i>Received</i>
Bengali	Major projects		UGC	Rs 4,85,200/-	Rs 4,85,200/-
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Business Administration	Major projects				
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Business Administration (HR)	Major projects				
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College			Nil	
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Commerce	Major projects				
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored			Nil	
	Projects sponsored by the University/ College				
	Students research projects				

	<i>(other than compulsory by the University)</i>				
	Any other(Specify)				
	Total				
Economics	Major projects	2009-14 2011-14 2012-14 2012-15 2012-14	UGC-DRS (SAP 1) ICSSR, New Delhi ICSSR, New Delhi UGC, New Delhi ICSSR, New Delhi		30,00,000/- 4,85,900/- 5,00,000/- 6,00,000/- 6,70,000/-
	Minor Projects	2011	District Administration, Birbhum		1,50,000/-
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects <i>(other than compulsory by the University)</i>				
	Any other(Specify)				
	Total				
English & Culture Studies	Major projects	Nil	Nil	Nil	Nil
	Minor Projects	Nil	Nil	Nil	Nil
	Interdisciplinary Projects	Nil	Nil	Nil	Nil
	Industry sponsored	Nil	Nil	Nil	Nil
	Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
	Students research projects <i>(other than compulsory by the University)</i>	Nil	Nil	Nil	Nil
	Any other(Specify)	5years	UGC DRS SAP		
	Total				
Foreign Language	Major projects	Nil			
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects <i>(other than compulsory by the University)</i>				
	Any other(Specify)				
	Total				
Hindi	Major projects	Nil	-	-	-
	Minor Projects	Nil	-	-	-
	Interdisciplinary Projects	Nil	-	-	-
	Industry sponsored	Nil	-	-	-

	Projects sponsored by the University/ College	Nil	-	-	-
	Students research projects ( <i>other than compulsory by the University</i> )	Nil	-	-	-
	Any other(Specify)	Nil	-	-	-
	Total	Nil	-	-	-
History	Major projects	Applied for UGC-SAP-DRS Programme-Level 2			
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Law	Major projects				
	Minor Projects	2012-14	UGC-HR Education	2 lac	Dr. J.K.Saha
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Library and Information Science	Major projects	Feb. 2011- Jan.2014	NMEICT of MHRD, Govt of India	182 lakh	
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Mass Communication	Major projects				
	Minor Projects				
	Interdisciplinary Projects				

	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Philosophy	Major projects	Nil			
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Political Science	Major projects	2	X	i) Rs. 5.32 lakhs ii) Rs. 4,4,430 lakhs	i) Rs. 5.32 lakhs ii) Rs. 4,4,430
	Minor Projects	X	X	X	X
	Interdisciplinary Projects	X	X	X	X
	Industry sponsored	X	X	X	X
	Projects sponsored by the University/ College	X	X	X	X
	Students research projects ( <i>other than compulsory by the University</i> )	X	X	X	X
	Any other(Specify)	X	i) U.G.C. ii) I.C.S.S.R	X	X
	Total				
Sanskrit	Major projects	NA			
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Sociology	Major projects	2yrs	UGC	879600	561600
	Minor Projects				
	Interdisciplinary Projects				

	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total			879600	561600
Tourism Management	Major projects				
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>Nature of the Project</i></b>	<b><i>Duration Year</i></b>	<b><i>Name of the funding Agency</i></b>	<b><i>Total grant sanctioned</i></b>	<b><i>Received</i></b>
Bio-Technology	Major projects	2011-2014	DST (SERC)	Rs.25 Lakhs	Rs.12 Lakhs
	Minor Projects	Nil			
	Interdisciplinary Projects	Nil			
	Industry sponsored	Nil			
	Projects sponsored by the University/ College	Nil			
	Students research projects ( <i>other than compulsory by the University</i> )	Nil			
	Any other(Specify)	Nil			
	Total	01			
Botany	Major projects	Nov, 2012 -2015	UGC, GOI	8,37,400/-	4,35,800/-
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Chemistry	Major projects	2011-2014	CSIR, DST, UGC,	200.00	170.00

			BRNS, DST(WB), DST(ENV), UGC-DAE		
	Minor Projects	2010-13	UGC (New Delhi)	6.00	6.00
	Interdisciplinary Projects	Nil	Nil	Nil	Nil
	Industry sponsored	Nil	Nil	Nil	Nil
	Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
	Students research projects ( <i>other than compulsory by the University</i> )	Nil	Nil	Nil	Nil
	Any other(Specify)	Nil	Nil	Nil	Nil
	Total	-	-	206.00	176.00
Computer Science	Major projects				
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Education	Major projects				
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Environmental Science	Major projects	3	UGC, DST-GoI, MoEF, ICSSR,	35,11,950/-	35,11,950/-
	Minor Projects	1	UGC	1,25,000/-	1,25,000/-
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				

	Any other(Specify)				
	Total				
Geography	Major projects	Jan '11-Dec '13 June '11-May'14 2013 – 2017 2012-14	National Agency of France (International) UGC Science and Engineering Research Board (SERB), DST, Govt. of India ICSSR	7,00,000 8,14,400 44,92,000 5,20,360	5,00,000 3,00,000 5,00,000 3,20,000
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total			65,26,760	16,20,000
Mathematics	Major projects	Nil			
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects ( <i>other than compulsory by the University</i> )				
	Any other(Specify)				
	Total				
Microbiology	Major projects	3yrs	SERB, New Delhi	22.6 Lakhs	12 Lakhs in 2012-13
		3 Yrs	DST Govt. Of India	24 Lakhs	12 Lakhs
			DST Govt. Of India	24 Lakhs	12 Lakhs
	Minor Projects	Nil	Nil	Nil	Nil
	Interdisciplinary Projects	3 Yrs	Dept. Of Environme nt, Govt. Of WB	14.31 Lakhs	Fund not yet received
	Industry sponsored	Nil	Nil	Nil	Nil
	Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
	Students research projects ( <i>other than compulsory by the University</i> )	PS- 1	INSPIRE, DST, New Delhi	JRF	JRF
	Any other(Specify)				
Total					
Physics	Major projects	Dec.'11- Nov'14	DST	21.96 lakhs	17.7 lakhs
		Dec.'11-	DST	50.48 lakhs	~46 lakhs

		Nov'14			
		2012-13	RCI, DRDO	9.99 lakhs	8.99 lakhs
		2012-15	UGC	8 lakhs	8 lakhs
	Minor Projects	2012-15	UGC	10.21 lakhs	6.81 lakhs
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects <i>(other than compulsory by the University)</i>				
	Any other(Specify)				
	Total			1.64 lakhs	87.5 lakhs
Statistics	Major projects	3 Yrs. (w.e.f. from 1 <sup>st</sup> April 2012)	SERB Fast Track Scheme for Young Scientist in Mathematical Science Agency: Department of Science and Technology, Govt. of India	3.5 Lac	3.5 Lac
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects <i>(other than compulsory by the University)</i>				
	Any other(Specify)				
	Total				
Zoology	Major projects	3	DST UGC DBT DST UGC	2073000 986000 3357000 3470000 1077300	
	Minor Projects				
	Interdisciplinary Projects				
	Industry sponsored				
	Projects sponsored by the University/ College				
	Students research projects <i>(other than compulsory by the University)</i>				
	Any other(Specify)				
	Total				

### 3.7 No. of books published

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Book with ISBN No</i>	<i>Chapters in Edited Books</i>	<i>Without ISBN No</i>
Bengali	03		
Business Administration		5	
Business Administration (HR)		1	
Commerce	4	2	
Economics	7	16	
English & Culture Studies	01	05	
Foreign Language		Nil	
Hindi	08	07	-
History		13	
Law		7	
Library and Information Science	1	1	2
Mass Communication		2	
Philosophy	04	03	00
Political Science	2	X	1
Sanskrit	6		
Sociology		6	1
Tourism Management			
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Book with ISBN No</i>	<i>Chapters in Edited Books</i>	<i>Without ISBN No</i>
Bio-Technology	3	3	
Botany	3	20	Nil
Chemistry	Nil	Nil	Nil
Computer Science	2	4	
Education		2	2
Environmental Science	3	3	1
Geography	02	02	
Mathematics	Nil	01	Nil
Microbiology	Nil	Nil	Nil
Physics			
Statistics	1	-	-
Zoology	-	-	-

### 3.8 Departments receiving funds from with amount

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>UGC-SAP No./ Rs</i>	<i>CAS No./ Rs</i>	<i>DST-FIST No./ Rs</i>	<i>DBT Scheme/funds No./ Rs</i>	<i>DPE No./ Rs</i>
Bengali		Rs 6,70,000/-			
Business Administration	Nil				
Business Administration (HR)					
Commerce					
Economics	DRS-SAP-I: 2009-2014: Rs. 39 Lakh				
English & Culture Studies	F.5-21/2011 (SAP-III) dated 23.08.11. Amount received: 12.5 Lakhs				
Foreign Language	Nil				
Hindi	100000/-	Nil	Nil	Nil	Nil
History	Awaiting fresh funds from UGC for DRS Level- 2				
Law	Nil				
Library and Information Science	Nil				
Mass Communication					
Philosophy	Nil	Nil	Nil	Nil	Nil
Political Science	X	X	X	X	X
Sanskrit	NA				
Sociology					
Tourism Management					
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>UGC-SAP No./ Rs</i>	<i>CAS No./ Rs</i>	<i>DST-FIST No./ Rs</i>	<i>DBT Scheme/funds No./ Rs</i>	<i>DPE No./ Rs</i>
Bio-Technology				10.5 lakhs	
Botany	Nil	10,25,000/-	Nil	Nil	Nil
Chemistry	80.00	148.00	195.00	Nil	Nil
Computer Science					
Education	NA				
Environmental Science					
Geography	39,10,000				
Mathematics	75 lakhs for five years (2012-17)	Nil	Nil	Nil	Nil
Microbiology	Nil	Nil	Nil	Nil	Nil
Physics		F.530/5/CAS/2011 (SAP-I) dt. 05.11.2011/ 144 lakhs	SR/FST/PS-II/001/2011 dt. 20.12.2011/ 153 lakhs		
Statistics	-	-	4 Lakhs for Books	-	-
Zoology	64,00,000.00	20,00,000.00 (UGC -BSR)	80,00,000.00	-	-

### **3.10 Revenue generated through consultancy (if any)**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	
Bengali	X
Business Administration	Nil
Business Administration (HR)	
Commerce	
Economics	Rs. 20,000.00
English & Culture Studies	NIL
Foreign Language	Nil
Hindi	NA
History	Nil
Law	Nil
Library and Information Science	Nil
Mass Communication	
Philosophy	Nil
Political Science	X
Sanskrit	NA
Sociology	
Tourism Management	NIL
<i>Faculty Council for Post-graduate Studies in Science</i>	
Bio-Technology	No
Botany	Nil
Chemistry	Nil
Computer Science	
Education	NA
Environmental Science	Yes Rs 5,000/- (approx.)
Geography	NA
Mathematics	Nil
Microbiology	Rs. 9450/- (Rs. Nine thousand four hundred fifty) by Dr. SK Mukhopadhyay in relation to Consultancy with Goodricke Co. Ltd.
Physics	Nil
Statistics	Nil
Zoology	Nil

### 3.11 No. of Conference organized by the Department

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Level</i>	<i>International</i>	<i>National</i>	<i>State</i>	<i>University</i>
Bengali	Number		02	01	
	Name of the Sponsoring agencies		UGC (CAS)	Sahitya Academy	
Business Administration	Number	Nil			
	Name of the Sponsoring agencies	Nil			
Business Administration (HR)	Number				2
	Name of the Sponsoring agencies				-
Commerce	Number		1		
	Name of the Sponsoring agencies		The Institute of Chartered Accountants of India		
Economics	Number	1			
	Name of the Sponsoring agencies	UGC			
English & Culture Studies	Number	02	01		
	Name of the Sponsoring agencies	UGC	Burdwan University		
Foreign Language	Number	Nil			
	Name of the Sponsoring agencies	Nil			
Hindi	Number	Nil	01	Nil	Nil
	Name of the Sponsoring agencies	-	UGC	-	-
History	Number		1		
	Name of the Sponsoring agencies		ICHR		
Law	Number	Nil			
	Name of the Sponsoring agencies	Nil			
Library and Information Science	Number	Nil			
	Name of the Sponsoring agencies	Nil			
Mass Communication	Number				
	Name of the Sponsoring agencies				
Philosophy	Number	Nil			
	Name of the Sponsoring agencies	Nil			
Political Science	Number	X	X	X	X
	Name of the Sponsoring agencies	X	X	X	X
Sanskrit	Number	Nil			
	Name of the Sponsoring agencies	Nil			
Sociology	Number				
	Name of the Sponsoring agencies				
Tourism Management	Number				
	Name of the Sponsoring agencies				

<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Level</i>	<i>International</i>	<i>National</i>	<i>State</i>	<i>University</i>
Bio-Technology	Number	NA			
	Name of the Sponsoring agencies				
Botany	Number	Nil			
	Name of the Sponsoring agencies				
Chemistry	Number	Nil	Nil	Nil	Nil
	Name of the Sponsoring agencies	Nil	Nil	Nil	Nil
Computer Science	Number				
	Name of the Sponsoring agencies				
Education	Number				
	Name of the Sponsoring agencies				
Environmental Science	Number				
	Name of the Sponsoring agencies				
Geography	Number		1		
	Name of the Sponsoring agencies		UGC under DRS Programme		
Mathematics	Number	Nil	01	01	Nil
	Name of the Sponsoring agencies		UGC		
Microbiology	Number	Nil	Nil	Nil	Nil
	Name of the Sponsoring agencies	Nil	Nil	Nil	Nil
Physics	Number		01		
	Name of the Sponsoring agencies				
Statistics	Number	1	-	1	-
	Name of the Sponsoring agencies	-	-	-	-
Zoology	Number		01		
	Name of the Sponsoring agencies		DST-PURSE		

### **3.12 No. of faculty served as experts, chairpersons or resource persons**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>		<i>International</i>	<i>National</i>	<i>State</i>	<i>University</i>
Bengali	Experts	01			
	Chairpersons	01			02
	Resource persons		09	05	
Business Administration	Experts				
	Chairpersons				2
	Resource persons		2	3	7

Business Administration (HR)	Experts				
	Chairpersons				
	Resource persons		1		
Commerce	Experts	1			
	Chairpersons				
	Resource persons	1			
Economics	Experts		3	2	2
	Chairpersons				
	Resource persons		2		
English & Culture Studies	Experts	01	04	05	
	Chairpersons	01	04	05	
	Resource persons	01	04	05	
Foreign Language	Experts	Nil			
	Chairpersons				
	Resource persons				
Hindi	Experts	-	02	02	-
	Chairpersons	-	-	02	-
	Resource persons	-	02	01	-
History	Experts	2			
	Chairpersons				
	Resource persons	4	1	4	4
Law	Experts		3		
	Chairpersons	3	2		
	Resource persons	1	7		
Library and Information Science	Experts	0	4	4	4
	Chairpersons	0	4	4	4
	Resource persons	0	3	4	4
Mass Communication	Experts				
	Chairpersons				
	Resource persons			1	1
Philosophy	Experts	00	00	00	01
	Chairpersons	00	04	00	02
	Resource persons	00	02	00	04
Political Science	Experts	5	3	X	X
	Chairpersons	X	X	X	X
	Resource persons	X	1	X	X
Sanskrit	Experts				3
	Chairpersons				
	Resource persons				
Sociology	Experts		1		
	Chairpersons		2		
	Resource persons		2		

Tourism Management	Experts	01	02	02	02
	Chairpersons	02	02	03	01
	Resource persons	03	03	03	04
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>		<b><i>International</i></b>	<b><i>National</i></b>	<b><i>State</i></b>	<b><i>University</i></b>
Bio-Technology	Experts				1
	Chairpersons				1
	Resource persons		1		
Botany	Experts	Nil	8	3	7
	Chairpersons	2	3	1	Nil
	Resource persons	Nil	6	Nil	Nil
Chemistry	Experts	Nil	01	02	10
	Chairpersons	Nil	01	Nil	10
	Resource persons	01	02	02	10
Computer Science	Experts		3		
	Chairpersons		3		
	Resource persons		3		
Education	Experts			1	
	Chairpersons				
	Resource persons			1	
Environmental Science	Experts				3
	Chairpersons				
	Resource persons		3	10	
Geography	Experts	1	2	1	
	Chairpersons	1			
	Resource persons	1	2	1	
Mathematics	Experts	1	2	2	1
	Chairpersons		3	1	2
	Resource persons	1	1	1	1
Microbiology	Experts				
	Chairpersons				
	Resource persons		04		
Physics	Experts				
	Chairpersons		1		
	Resource persons				4
Statistics	Experts	-	-	-	-
	Chairpersons	1	1	-	-
	Resource persons	1	2	-	-
Zoology	Experts		3	4	9
	Chairpersons		3	3	7
	Resource persons		2	4	10

### 3.13 No. of collaborations

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Level</i>	<i>International</i>	<i>National</i>	<i>State</i>
Bengali	Number	X		
Business Administration	Number	Nil		
Business Administration (HR)	Number			
Commerce	Number			
Economics	Number			
English & Culture Studies	Number	Nil	Nil	Nil
Foreign Language	Number	Nil		
Hindi	Number	N.A.	N.A.	N.A.
History	Number	Nil		
Law	Number	Nil		
Library and Information Science	Number	Nil		
Mass Communication	Number			
Philosophy	Number	Nil		
Political Science	Number	5	3	X
Sanskrit	Number	Na		
Sociology	Number			
Tourism Management	Number	X	X	X
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Level</i>	<i>International</i>	<i>National</i>	<i>State</i>
Bio-Technology	Number	Nil		
Botany	Number	3	6	2
Chemistry	Number	10	08	04
Computer Science	Number			
Education	Number	Na		
Environmental Science	Number	--	1	2
Geography	Number	2	1	
Mathematics	Number	07	04	Nil
Microbiology	Number	Nil	01	05
Physics	Number	01	05	
Statistics	Number	03	-	-
Zoology	Number	0	3	6

**3.14 No. of linkages created during this year**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Type of Patent</i>		<i>Number</i>
Bengali	National	Applied	X
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Business Administration	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Business Administration (HR)	National	Applied	NA
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Commerce	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Economics	National	Applied	N.A.
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
English & Culture Studies	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	

Foreign Language	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Hindi	National	Applied	NA
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
History	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Law	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Library and Information Science	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Mass Communication	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Philosophy	National	Applied	Nil
		Granted	
	International	Applied	

		Granted	
	Commercialised	Applied	
		Granted	
Political Science	National	Applied	X
		Granted	X
	International	Applied	X
		Granted	X
	Commercialised	Applied	X
		Granted	X
Sanskrit	National	Applied	NA
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Sociology	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Tourism Management	National	Applied	X
		Granted	X
	International	Applied	X
		Granted	X
	Commercialised	Applied	X
		Granted	X
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>Type of Patent</i></b>		<b><i>Number</i></b>
Bio-Technology	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Botany	National	Applied	Nil
		Granted	Nil
	International	Applied	Nil
		Granted	Nil
	Commercialised	Applied	Nil
		Granted	Nil

		Granted	Nil
Chemistry	National	Applied	Nil
		Granted	Nil
	International	Applied	Nil
		Granted	Nil
	Commercialised	Applied	Nil
		Granted	Nil
Computer Science	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Education	National	Applied	NA
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Environmental Science	National	Applied	NA
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Geography	National	Applied	
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Mathematics	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Microbiology	National	Applied	Nil
		Granted	Nil

	International	Applied	Nil
		Granted	Nil
	Commercialised	Applied	Nil
		Granted	Nil
Physics	National	Applied	Nil
		Granted	
	International	Applied	
		Granted	
	Commercialised	Applied	
		Granted	
Statistics	National	Applied	00
		Granted	
	International	Applied	00
		Granted	
	Commercialised	Applied	00
		Granted	
Zoology	National	Applied	0
		Granted	0
	International	Applied	0
		Granted	0
	Commercialised	Applied	0
		Granted	0

### **3.16 No. of patents received this year**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Number</i>
Bengali	X
Business Administration	Nil
Business Administration (HR)	NA
Commerce	
Economics	NA
English & Culture Studies	Nil
Foreign Language	Nil
Hindi	NA
History	Nil
Law	Nil
Library and Information Science	Nil
Mass Communication	
Philosophy	NA
Political Science	X
Sanskrit	NA

Sociology	
Tourism Management	Nil
<b>Faculty Council for Post-graduate Studies in Science</b>	
	<b>Number</b>
Bio-Technology	Nil
Botany	Nil
Chemistry	Nil
Computer Science	
Education	NA
Environmental Science	NA
Geography	NA
Mathematics	Nil
Microbiology	Nil
Physics	Nil
Statistics	Nil
Zoology	Nil

**3.17 No. of research awards/ recognitions received by faculty and research fellows of the Department in the year**

<b>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</b>		<b>International</b>	<b>National</b>	<b>State</b>	<b>University</b>	<b>Dist</b>	<b>Total</b>
Bengali	Faculty	X					
	Research Scholar						
Business Administration	Faculty	Nil					
	Research Scholar						
Business Administration (HR)	Faculty		1				
	Research Scholar						
Commerce	Faculty						
	Research Scholar						
Economics	Faculty	Nil					
	Research Scholar						
English & Culture Studies	Faculty			01			
	Research Scholar						
Foreign Language	Faculty	Nil					
	Research Scholar						
Hindi	Faculty	N.A.	N.A.	N.A.	N.A.	N.A.	
	Research Scholar	-	-	-	-	-	
History	Faculty	1					
	Research Scholar						

Law	Faculty	1					
	Research Scholar						
Library and Information Science	Faculty	Nil					
	Research Scholar	Nil					
Mass Communication	Faculty						
	Research Scholar						
Philosophy	Faculty	Nil					
	Research Scholar	Nil					
Political Science	Faculty	X	X	X	X	X	X
	Research Scholar	X	X	X	X	X	X
Sanskrit	Faculty		1				
	Research Scholar						
Sociology	Faculty		1				
	Research Scholar						
Tourism Management	Faculty	Nil					
	Research Scholar	Nil					
<b>Faculty Council for Post-graduate Studies in Science</b>		<b>International</b>	<b>National</b>	<b>State</b>	<b>University</b>	<b>Dist</b>	<b>Total</b>
Bio-Technology	Faculty						
	Research Scholar				1		
Botany	Faculty	1	Nil	Nil	Nil	Nil	1
	Research Scholar	Nil	3	2	Nil	Nil	5
Chemistry	Faculty	Nil	02	Nil	Nil	Nil	02
	Research Scholar	Nil	Nil	Nil	Nil	Nil	Nil
Computer Science	Faculty						
	Research Scholar						
Education	Faculty	NA					
	Research Scholar	NA					
Environmental Science	Faculty	1	1				
	Research Scholar		2				
Geography	Faculty	NA					
	Research Scholar	NA					
Mathematics	Faculty	Nil	Nil	Nil	Nil	Nil	Nil
	Research Scholar	Nil	02	Nil	Nil	Nil	02
Microbiology	Faculty	Nil	Nil	Nil	Nil	Nil	Nil
	Research Scholar	Nil	Nil	Nil	Nil	Nil	Nil
Physics	Faculty	Nil					
	Research Scholar	Nil					
Statistics	Faculty	1	-	-	-	-	-

	Research Scholar	-	-	-	-	-	-
Zoology	Faculty	-	-	01	-	-	01
	Research Scholar	-	-	03	-	-	03

**3.18 & 3.19 No. of faculty who are Ph. D. Guide and students engaged in research under them**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Name of the Faculty</i>	<i>Awarded</i>	<i>Registered</i>	<i>Submitted</i>	<i>Under Course Work (if any)</i>
Bengali	1. Sibabrata Chattopadhyay		02		
	2. Arun Kumar Ghosh	02	01		
	3. Uday Chand Das		07		
	4. Amitava Das				
	5. Arindam Chattopadhyay	01			
	6. Anindita Bandyopadhyay		07		
	7. AlokKumar Chakraborty	02	07		
	8. Ramen Kumar Sar		03		
	9. Krishnarup Chakraborti	01			
	10. Asis Kumar De				
Business Administration	6	4	22	1	3
Business Administration (HR)	Dr Partha Sarkar	-	5	-	
	Dr Amir Jafar	-	1	-	
Commerce	Prof. Jaydeb Sarkhel	2	1	1	1
	Prof. Santanu Kumar Ghosh	1	4	1	1
	Prof. Debasish Sur	1	1		1
	Prof. Debdas Rakshit	1	8		
	Prof. Chitta Ranjan Sarkar	1	3	1	1
	Dr. Arindam Das		4		
	Dr. Arindam Laha		1		
Economics	Prof. Pinaki Chakraborti		3		
	Prof. Maniklal Adhikary		5	2	2
	Prof. Soumyendra Kishore Datta		7	1	1
	Prof. Arup K Chattopadhyay		5	1	2
	Prof. Pravat Kr. Kuri		4	2	3
	Dr. Atanu Sengupta	1	6	1	2
	Prof. Rajarshi Majumder	1	3	1	
	Dr Suchismita Mondal Sarkar		2		1
	Dr Anindita Sen		1		
	Dr Bhaskar Goswami		2		1
English & Culture Studies	Prof. Deb Narayan Bandyopadhyay	2	8		
	Prof. Bijay Kumar Das	Nil	2		

	Prof. H. Lahiri	2	7		
	Dr. Angshuman Kar	1	07		02
	Dr. Arnab Kumar Sinha	Nil	5		
Foreign Language	NA (This is not a PhD Department. We have only Certificate, Diploma and Advanced Diploma Courses)				
Hindi	03	02	35	02	15
History	Arabinda Samanta		7	1	
	Achintya Dutta		7		
	Sudit K Kumar		6		
	Malabika Roy		5		
	Syed Tanveer Nasreen		3	2	
	Pradip Chattopadhyay		8		
	Aparajita Dhar		3		
	Binata Sarkar		Nil		
	Arnab Dutta		Nil		
Law	Prof. S.K. Sadhu	1	Nil		
	Prof. Manik Chakraborty	2	2		
	Dr. Sanjeeb kumar Tiwari		5		
	Dr. Paresh kumar Acharya	2	7	1	
Library and Information Science	Prof. Subal Chandra Biswas	3	0	1	1
	Prof. Amit Kr Bandyopadhyay	1	0	2	1
	Dr Tridib Tripathi	1	0	0	2
	Dr Parthasarathi Mukhopadhyay	1	2	0	0
Mass Communication	Dr. Saswati Gangopadhyay		6		2
Philosophy	Professor Sunil Roy	00	06	01	---
	Professor Rajat Bhattacharya	01	06		01
	Dr. Santosh Kumar Pal	01	01		01
	Dr. Mridula Bhattacharyya	01	03	02	---
	Dr. Tafajol Hossain	00	02		03
	Dr. Dhruva Acharyya	00	07		01
Political Science	Dr. H. Bhattacharya	2	X	X	X
	Dr. A. Ghosh	1	5	X	5
Sanskrit	5	4	25	4	15
Sociology	Anirban Banerjee	1	8	0	0
	Biswajit Ghosh	1	5	0	0
Tourism Management	B.B.Parida	02	02	-	02
	M.A. Sofique	01	01	01	01
<b>Faculty Council for Post-graduate Studies in Science</b>	<b>Name of the Faculty</b>	<b>Awarded</b>	<b>Registered</b>	<b>Submitted</b>	<b>Under Course Work (if any)</b>
Bio-Technology	Prof. Pranab Roy	1	8	1	
	Dr. Amal Kumar Bandyopadhyay		4		3
	Dr. Indrani Chandra (Co-guide)		1		

Botany	Dr. Radhanath Mukhopadhyay	1	3	1	
	Dr. Ambarish Mukherjee	1	8	1	
	Dr. Pankaj Kumar Pal	2	8	1	
	Dr. Alope Bhattacharyya	0	8	2	
	Dr. Jai Prakash Keshri	0	8	2	
	Dr. Abhijit Bandyopadhyay	0	8	1	2
	Dr. Tushar Kanti Maiti	1	5		2
	Dr. Sikha Dutta	3	5	1	
	Dr. Jagat Pati Tah		5		
	Dr. Tinkari Dalal		6		
Chemistry	A. K. Das (retired on 31.05.2012)	Nil	Nil	Nil	Nil
	S. Basu	02	03	02	Nil
	M. Banerjee	01	01	02	Nil
	P. Ghosal	Nil	02	Nil	Nil
	S. Laskar	Nil	03	Nil	Nil
	B. K. Ghosh	02	07	03	01
	P. Chattopadhyay	01	11	02	01
	A. K. Ghosh	01	06	02	02
	B. Ray	01	07	02	01
	B. Mandal	Nil	06	Nil	01
	S. Bhattacharya	01	08	Nil	Nil
	D. Das	01	09	02	02
	B. Saha	01	08	02	01
	T. Das	Nil	02	Nil	Nil
	R. Ghosh	01	06	Nil	Nil
	I. Ansary	Nil	Nil	Nil	Nil
	M. Baskey	Nil	Nil	Nil	Nil
S. S. Bhattacharyya	Nil	02	Nil	Nil	
A. Sinhababu	Nil	04	Nil	03	
Computer Science	3				
Education	Dr. Tuhin Kumar Samanta	0	7	1	
	Dr. Chitrallekha Mehera	0	7		
	Dr. Khogendranath Chattopadhyaya	0	6		
Environmental Science	3	5	11	9	6
Geography	Dr. Gopa Samanta		8		
	Dr. Biplab Biswas	2	4		
	Dr. Narayan Chandra Jana		6		
	Prof. S. K. Guchhait	1	8		
	Prof. Giasuddin Siddique		5		
	Dr. Lakshmi Sivaramakrishnan	1	8		
	Prof. Sunando Bandyopadhyay	1			
Mathematics	Prof. Gorachand Layek	2	2	2	---
	Prof. Absos Ali Shaikh	1	3	---	1

	Dr. Asoke Kumar Bhunia	2	3	1	1
	Dr. Mantu Saha	2	3	---	---
	Dr. Amar Kumar Banerjee	1	2	---	---
	Dr. Arijit Ghoshal	---	2	---	2
	Mrs. Nupur Bandyopadhyay	---	---	---	---
	Dr. Sunil Kumar Maity	---	1	---	---
	Dr. Swati Mukhopadhyay	---	2	---	---
Microbiology	Dr. Subhra Kanti Mukhopadhyay		5	0	3
	Dr. Pradipta Saha		4		1
Physics	Prof B C Sarkar	1	6	-	2
	Prof S K Pradhan	1	7	3	-
	Prof S Mukhopadhyay	1	8	4	3
	Prof B Ghosh				
	Prof S Chaudhuri				
	Dr. S Das				
	Dr. U Chatterjee				
	Dr. P K Chakrabarti	1	6	1	3
	Dr. A C Mandal	-	1	-	-
	Dr. P Mitra	-	3	2	-
	Dr. A Chakraborty				
	Dr. S Mukherjee		3		2
	Dr. T Banerjee		2		
	Dr. A Dutta		2		
Dr A Bose	-	2	-	1	
Statistics	Dr. Rabindra Nath Das	1	1	0	0
	Dr. Babulal Seal	0	1	0	0
Zoology	Prof. Padmanabha Chakrabari				
	Prof. Goutam Chandra	2	5	1	3
	Dr. Abhijit Mazumdar	2	5	1	2
	Dr. Niladri Hazra		3		2
	Dr. Anupam Basu	-	5	-	-
	Dr. Gautam Aditya				
	Dr. Sanjib Ray	-	5	-	-
	Dr. Soumendranath Chatterjee	1			2
	Dr. Anandamay Barik,	-	2	-	-
	Dr. Koushik Ghosh		6	-	1
	Dr. Sumedha Roy	-	3	-	2

**3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>JRF</i>	<i>SRF</i>	<i>Project Fellows</i>	<i>Any other</i>
Bengali	09	01	X	X
Business Administration	1			
Business Administration (HR)	1			
Commerce				
Economics			5	
English & Culture Studies	08	02	Nil	Nil
Foreign Language	NA			
Hindi	20	-	-	-
History				
Law	Nil			
Library and Information Science	3	0	0	0
Mass Communication	2	1		
Philosophy	00	00	00	00
Political Science	4	X	1	X
Sanskrit	NA			
Sociology				1
Tourism Management	01	-	-	-
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>JRF</i>	<i>SRF</i>	<i>Project Fellows</i>	<i>Any other</i>
Bio-Technology	2	3	1	
Botany	9	11	Nil	Nil
Chemistry	25	10	04	Nil
Computer Science				
Education				
Environmental Science	3	2	3	
Geography	6	2	2	
Mathematics	06	03	Nil	Nil
Microbiology	2	3	2	
Physics	8	6	1	-
Statistics	1	-	-	-
Zoology	4	10	7	3

**Extension activities organized by the Department (if any)**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	
Bengali	X
Business Administration	
Business Administration (HR)	Nil
Commerce	University authority encourages its faculty members, staff and students

	to keep the campus clean and green. Students of the department are motivated to actively participate in the programmes which are organized at a certain interval to clean the campus and for plantation of trees. One provision of awarding marks to the students has been made in the course curriculum for taking part in the extension programme by the students.
Economics	NA
English & Culture Studies	Nil
Foreign Language	Nil
Hindi	Building extension
History	Involvement of all teachers in NET-SET coaching.
Law	Legal Aid Camp.
Library and Information Science	Nil
Mass Communication	None
Philosophy	Nil
Political Science	X
Sanskrit	NA
Sociology	
Tourism Management	
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	
Bio-Technology	Nil
Botany	<ol style="list-style-type: none"> <li>1. Rendering consultancies in form of identification of Angiosperms specimens sent by different Universities, Academic and Research Institutions and regarding floristic explorations for specific taxa.</li> <li>2. Performing research activities based directly on economic welfare of poor and backward people through sustainable use of bioresources in general and Non-timber Forest Produce.</li> <li>3. Organizing Primary Health Care Programmes in rural areas based mainly on herbal remedies and food habit.</li> <li>4. Guidance in establishing medicinal plants garden in educational institutions.</li> <li>5. Coordinator, DBT, Department of Biotechnology, the University of Burdwan.</li> <li>6. In charge, CRSMF, The University of Burdwan.</li> <li>7. Discharged duty of 'In-charge' of Crop Research and Seed Multiplication Farm.</li> <li>8. Involved in adaptation and field trial studies of selected germplasms of rice, pulse and oil seeds.</li> <li>9. Undertook hybrid rice and maize breeding programme in collaboration with Department of Agriculture, Govt. of West Bengal.</li> <li>10. Conducted awareness and Technical training programme for seed breeders and farmers in Crop Research and Seed Multiplication Farm, BU.</li> </ol>
Chemistry	Every year the department arranges special lectures followed by demonstration extended to the students of the DST-Inspire, and imparts advanced chemical knowledge to the college and the university teachers participated in Refresher Courses and Orientation Programmes arranged by the Academic Staff College, BU through experiments with modern instruments followed by their chemical

	simulations.
Computer Science	
Education	With the use of different techniques such as dialogues, folk media, recreational activities, interactive and participatory programmes, group working & group discussion, the department has tried to create awareness among masses about their rights, access to information, exploitation, discrimination and employment opportunities. These activities give importance to basic human values that help individuals/families and community as a whole to lead a successful life in changing our neighbourhood society.
Environmental Science	Students used to participate in the environmental awareness programmes; cleaning of the Golapbag Campus
Geography	NA
Mathematics	Nil
Microbiology	Nil
Physics	Laboratory facilities were extended to the participants of the INSPIRE programme. M. Sc, M.Tech. students of different Institutes enrolled in the University to carry out their project works in the Department. Laboratory facilities were extended to the participants of Refresher courses.
Statistics	Nil
Zoology	

#### **4.1 Details of increase in infrastructure facilities**

<b><i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i></b>	<b><i>Facilities No.</i></b>	<b><i>Existing</i></b>	<b><i>Newly created</i></b>	<b><i>Source of Fund</i></b>	<b><i>Total</i></b>
Bengali	Class rooms	06			06
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Business Administration	Class rooms	3	1	University	4
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				

	Others				
Business Administration (HR)	Class rooms	2	2	University	4
	Laboratories	-	-		
	Seminar Halls	1	0		1
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Commerce	Class rooms				
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		Computers	University fund	190750
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Economics	Class rooms	4			4
	Laboratories	1			1
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
English & Culture Studies	Class rooms	05	Nil	NIL	05
	Laboratories	Nil	Nil	Nil	Nil
	Seminar Halls	Nil	Nil	Nil	Nil
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	5 HP Elite book, 2 HP Notepad, 4 HP Destops & 1 Photocopier	Nil	UGC	12
	Value of the equipment purchased during the year (Rs. in Lakhs)	8.30 Lakhs	Nil	UGC	8.30 Lakhs
	Others	Nil	Nil	Nil	Nil
Foreign Language	Class rooms				
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		Nil		
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Hindi	Class rooms	02	02	University	04

	Laboratories	N.A.	-		-
	Seminar Halls	Nil	Nil	-	-
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Computer (1)	Computer (4), Smart board, Projector, Xerox machine	University	08
	Value of the equipment purchased during the year (Rs. in Lakhs)				Approx 4 Lacks
	Others		Aquaguard, gardening	University	23 Thousand
History	Class rooms	4	Nil		4
	Laboratories	Nil	Nil		Nil
	Seminar Halls	Nil	Nil		Nil
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Nil	Nil		Nil
	Value of the equipment purchased during the year (Rs. in Lakhs)	Nil	Nil		Nil
	Others	1 DRS Room for faculty members	Nil		Nil
Law	Class rooms	7			7
	Laboratories	Nil			
	Seminar Halls	Nil			
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Nil			
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Library and Information Science	Class rooms	3	0		3
	Laboratories	1	0		1
	Seminar Halls	0	0		0
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Mass Communication	Class rooms				
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				

	Others				
Philosophy	Class rooms	06 (including one gallery)	Nil	---	06
	Laboratories	Nil	Nil	Nil	Nil
	Seminar Halls	Nil	Nil	Nil	Nil
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Two LCD Projectors	One LCD Projector	---	Three LCD Projectors
	Value of the equipment purchased during the year (Rs. in Lakhs)	Centrally Purchased	Rs One Lac only	UGC Equipment grant	---
	Others	05	Nil	---	05
Political Science	Class rooms	2	X	X	2
	Laboratories	X	X	X	X
	Seminar Halls	X	X	X	X
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	X	X	X	X
	Value of the equipment purchased during the year (Rs. in Lakhs)	X	X	X	X
	Others	X	X	X	X
Sanskrit	Class rooms				
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Sociology	Class rooms	2	0	-	2
	Laboratories	-	-	-	-
	Seminar Halls	-	-	-	-
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	-	-	-
	Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
	Others	-	-	-	-
Tourism Management	Class rooms				
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				

<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Facilities No.</i>	<i>Existing</i>	<i>Newly created</i>	<i>Source of Fund</i>	<i>Total</i>	
Bio-Technology	Class rooms	2			2	
	Laboratories	3(Gen) 3(Res)			5	
	Seminar Halls	Nil				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	NA				
	Value of the equipment purchased during the year (Rs. in Lakhs)	NA				
	Others					
Botany	Class rooms	2	1	University	3	
	Laboratories	11	Nil	NA		
	Seminar Halls	1	Nil	UGC infra grant		
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.					
	Value of the equipment purchased during the year (Rs. in Lakhs)					
	Others					
Chemistry	Class rooms	06	Nil	BU + UGC (SAP)	06	
	Laboratories	06	Nil	BU	06	
	Seminar Halls	01	Nil	BU + UGC (SAP)	01	
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year: (a) Xerox machine (2 Nos.) (b) X-ray spectrometer (c) Electrochemical work station (d) FTIR (e) Stopped flow (f) AAS lamp (17 Nos.) (g) Steady state fluorimeter (h) Electronic balance (4 Nos.) (i) Microscope (j) Demineralized water plant (2 Nos.)				for (a)-(g) from CAS-I, UGC, New Delhi and for (h)-(k) from 12 <sup>th</sup> plan, UGC, New Delhi	
	Value of the equipment purchased during the year (Rs. in lakh): (a) Xerox machine (2 Nos.): 2 lakh (total) (b) X-ray spectrometer: 4.89 lakh (c) Electrochemical work station: 16.77 lakh (d) FTIR: 9.22 lakh (e) Stopped flow: 42.18 lakh (f) AAS lamp (17 Nos.): 4.92 lakh (total)				for (a)-(g) total amount Rs 94.12 lakh and for (h)-(j) Rs 5.00 lakh; Grand Total: Rs. 99.12	
	Others					

	(g) Steady state fluorimeter: 13.14 lakh (h) Electronic balance (4 Nos.): 2.77 lakh (total) (i) Microscope: 1.07 lakh (j) Demineralized water plant (2 Nos.): 1.16 (total)				lakh
	Others	Nil	Nil		Nil
Computer Science	Class rooms				
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Education	Class rooms	NA			
	Laboratories				
	Seminar Halls				
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.				
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others				
Environmental Science	Class rooms	2	--	Univ.	2
	Laboratories	2	--	Univ.	2
	Seminar Halls	--	--	--	--
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		LICOR SC., 4421 Digital Camera Ion Metre	DST-PURSE & Univ. Project	4
	Value of the equipment purchased during the year (Rs. in Lakhs)		25,94,545/-	DST-PURSE & Univ. Project	25,94,545/-
	Others	1 (Library)			
Geography	Class rooms	2			
	Laboratories	3			
	Seminar Halls	1			
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		Weather Station	UGC	
	Value of the equipment purchased during the year (Rs. in Lakhs)		Rs. 5,98,800		
	Others				
Mathematics	Class rooms	06	Nil		06
	Laboratories	04 (2 labs were renovated under	---		04

		DST-FIST Programme)			
	Seminar Halls	---	---		
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		One server	UGC-SAP	01
	Value of the equipment purchased during the year (Rs. in Lakhs)				
	Others	MATLAB with 10 users		DST-FIST	01
Microbiology	Class rooms	2	Nil		
	Laboratories	3 (1 with chemical Store room & Culture room)	1		
	Seminar Halls	1			
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	a. MicroPlate Elisa Reader b. Millipore Water Purification System with Accessories c. HERMLE Table Top non Refrigerated Micro Centrifuge d. Eyela Freeze Drying Model		a. UGC XII Plan Grant b. UGC XII Plan Grant c. UGC Plan Grant d. UGC Plan Grant	
	Value of the equipment purchased during the year (Rs. in Lakhs)	a. 2,50,074.00 b. 5,15,193.87+48,695.00+28,571.00 c. 1,07,295.74+extra d. 4,32,689.05+extra			
Others					
Physics	Class rooms	07	02	UGC	09
	Laboratories	23	Nil		23
	Seminar Halls	01	Nil		01
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Signal Generators, VNA, Spectrum Analysers, DSOs, Nd:YAG and CO <sub>2</sub> Lasers, UV-VIS Spectrophotometer, Lockin Amplifiers, BH Loop Tracer, APD He Cryocooler, Furnaces, Magnets, Susceptibility Measuring setup, DS Calorimeter, BallMill, UPS (7.5 KVA, 5 KVA, 3 KVA), Optical Microscope, Diffusion Pumps, $\gamma$ -ray Spectroscopy, Electronic Balances, GM Counter, IR Spectrophotometer, Multichannel Analyser	PE Loop Tracer, LCR Meter, Zeeman Effect setup, Digital Source Meter, UPS system, Energy Sensor, Monochromator UPS System (10KVA) GNSS Receiver,	UGC, DRDO, DST	08
	Value of the equipment purchased during the year (Rs. in Lakhs)		~ Rs. 55,00,000.00	UGC, DRDO, DST	~ Rs. 55 Lakhs.
Others					
Statistics	Class rooms	2	0	University	2
	Laboratories	2	0	University	2
	Seminar Halls	0	0	University	0

	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Nil	-	-	-	
	Value of the equipment purchased during the year (Rs. in Lakhs)	00	-	-	-	
	Others	-	-	-	-	
Zoology	Class rooms	2	0			
	Laboratories	12	3	UGC	20,000,00.00	
	Seminar Halls	0	0			
	Name of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	Spectrophotometer			DST	3,49,994.00
		Cold room				4,50,000.00
		Microscope				1,16,337.00
		Gel electrophoresis				1,12,865.00
		Bom calorimeter				101322.00
		Autoclave				244733.00
Value of the equipment purchased during the year (Rs. in Lakhs)					2,14,384	
Others						

### 4.3 Departmental Library

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>		<i>Existing</i>		<i>Newly added</i>		<i>Total</i>	
		<i>No.</i>	<i>Value</i>	<i>No.</i>	<i>Value</i>	<i>No.</i>	<i>Value</i>
Bengali	Text Books	272		198		2470	
	Reference Books	10936		628		11564	
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Business Administration	Text Books	Not applicable since it's a part of central library					
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Business Administration (HR)	Text Books	There is no separate departmental library					
	Reference Books						
	e-Books						
	Journals						
	e-Journals						

	Digital Database						
	CD & Video						
	Others (specify)						
Commerce	Text Books					2031	
	Reference Books					300	
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Economics	Text Books	100				100	
	Reference Books	300				300	
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
English & Culture Studies	Text Books						
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Foreign Language	Text Books						
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Hindi	Text Books						
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
History	Text Books	The Departmental library has been merged long back					

	Reference Books	with the Central Library					
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Law	Text Books	5822		281	Rs.175067	6158	
	Reference Books			65			
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
Others (specify)							
Library and Information Science	Text Books	500		0		500	
	Reference Books	70		0		70	
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
Others (specify)							
Mass Communication	Text Books						
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
Others (specify)							
Philosophy	Text Books	1800		25		1825	
	Reference Books	20		00		20	
	e-Books						
	Journals	1		00		1	
	e-Journals	Available					
	Digital Database						
	CD & Video						
Others (specify)							
Political Science	Text Books	X					
	Reference Books						
	e-Books						
	Journals						

	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Sanskrit	Text Books	NA					
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Sociology	Text Books						
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Tourism Management	Text Books						
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
<b>Faculty Council for Post-graduate Studies in Science</b>		<b>Existing</b>		<b>Newly added</b>		<b>Total</b>	
		<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>	<b>No.</b>	<b>Value</b>
Bio-Technology	Text Books	800 (B.U) 604 (DBT)		63 (BU)	1,55,189/-	1464	
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Botany	Text Books	5726		187		5913	
	Reference Books	Nil	Nil	Nil			
	e-Books	Central Lib					

	Journals	Central Lib					
	e-Journals	Central Lib					
	Digital Database	Central Lib					
	CD & Video	Central Lib					
	Others (specify)	Central Lib					
Chemistry	Text Books	3800	19.00	200	1.00	4000	20.00
	Reference Books	1800	20.00	200	4.00	2159	24.00
	e-Books	-	-	-	-	-	-
	Journals	-	-	-	-	-	-
	e-Journals	-	-	-	-	-	-
	Digital Database	-	-	-	-	-	-
	CD & Video	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-
<i>Whenever new editions of text books and reference books are published, due care is undertaken to their purchase to keep pace with the current state of chemical knowledge</i>							
Computer Science	Text Books	2500	600000				
	Reference Books	500	100000				
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Education	Text Books	4465		101	Rs. 75000	4566	
	Reference Books	Centrally available					
	e-Books						
	Journals	Centrally available					
	e-Journals						
	Digital Database	Centrally available					
	CD & Video	Centrally available					
	Others (specify)						
Environmental Science	Text Books	808	Records are available with Central Library	100	Records are available with Central Library	908	Records are available with Central Library
	Reference Books						
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						

Geography	Text Books	3608		67		3675	
	Reference Books	1431		22		1453	
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Mathematics	Text Books	9187		356		9543	
	Reference Books						
	e-Books						
	Journals	10313		231		10544	
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Microbiology	Text Books	434		39		473	
	Reference Books	82		6		88	
	e-Books						
	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						
Physics	Text Books	6953		368	5,75,000/-	7321	
	Reference Books	-		-	-	-	-
	e-Books	-	-	-	-	-	-
	Journals	6502					
	e-Journals	09					
	Digital Database						
	CD & Video						
	Others (specify)						
Statistics	Text Books	1537	Rs. 38 Lac	193	Rs. 4 Lac	1730	Rs. 42Lac
	Reference Books	-	-	-	-	-	-
	e-Books	-	-	-	-	-	-
	Journals	36	-	-	-	-	-
	e-Journals	-	-	-	-	-	-
	Digital Database	-	-	-	-	-	-
	CD & Video	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-
Zoology	Text Books	3450					
	Reference Books						
	e-Books						

	Journals						
	e-Journals						
	Digital Database						
	CD & Video						
	Others (specify)						

### **Technology upgradation**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>			<i>Total Computers</i>	<i>Computer Labs</i>	<i>No. Internet connectivity</i>
Bengali	Existing		12		08
	Added				
	Total		12		08
Business Administration	Existing		Nil		
	Added				
	Total				
Business Administration (HR)	Existing		2	18	
	Added		-	-	
	Total		2	-	
Commerce	Existing		29	26	26
	Added		8	8	
	Total				
Economics	Existing		15	1	15
	Added		2		2
	Total		17		17
English & Culture Studies	Existing		12	Nil	12
	Added		Nil	Nil	Nil
	Total		12	Nil	12
Foreign Language	Existing		03	Nil	01
	Added		Nil	Nil	Nil
	Total		03	Nil	01
Hindi	Existing		01	N.A.	01
	Added		04	-	04
	Total		05	-	05
History	Existing		Nil		
	Added				
	Total				
Law	Existing		7		7
	Added				
	Total		7		7
Library and Information Science	Existing		18	1	18
	Added		1	0	1
	Total		19	1	19

Mass Communication	Existing	11	8	
	Added			
	Total			
Philosophy	Existing	05	01	07
	Added	00	00	03
	Total	05	01	10
Political Science	Existing	7	X	X
	Added	0	X	X
	Total	7	X	X
Sanskrit	Existing	4		3
	Added			
	Total			
Sociology	Existing	6	0	5
	Added	0	0	0
	Total	6	0	0
Tourism Management	Existing			
	Added			
	Total			
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>		<b><i>Total Computers</i></b>	<b><i>Computer Labs</i></b>	<b><i>No. Internet connectivity</i></b>
Bio-Technology	Existing	24	15	1 (University connectivity)
	Added	1(Desktop) 2(Laptop)		
	Total	27	15	
Botany	Existing	28	05	18
	Added	Nil	Nil	Nil
	Total	28	05	18
Chemistry	Existing	80	04	30
	Added	10	Nil	Nil
	Total	90	04	30
Computer Science	Existing	60	2	Across the dept.
	Added			
	Total	60	2	Across the dept.
Education	Existing	10	01	10
	Added	05		
	Total	15		
Environmental Science	Existing	26	20	12
	Added			
	Total	26	20	12
Geography	Existing	20	1	20
	Added	Desktop-10 Laptop-9	DRS-Lab	
	Total	39		

Mathematics	Existing	93	04	40
	Added	00	Nil	79
	Total	93	04	119
Microbiology	Existing	17	8	16
	Added	2		1
	Total	19	8	17
Physics	Existing	48	1	20
	Added	6	-	02
	Total	54	1	22
Statistics	Existing	35	2	30
	Added	-	-	-
	Total	35	2	30
Zoology	Existing	32	1	
	Added	13	0	
	Total	45	1	

**Total Number of students**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Level</i>	<i>Within the State</i>	<i>Outside the State</i>	<i>International</i>	<i>Total No.</i>	
					<i>Men</i>	<i>Women</i>
Bengali	PG	370			156	214
	Ph. D.	10			09	01
	M Phil	03			01	02
	Others					
Business Administration	PG	30			19	11
	Ph. D.					
	M Phil					
	Others					
Business Administration (HR)	PG	52	0	0	32	20
	Ph. D.	5	0	0	5	0
	M Phil					
	Others					
Commerce	PG	80	Nil	Nil	57	23
	Ph. D.					
	M Phil					
	Others					
Economics	PG	125			42	83
	Ph. D.	26			16	10
	M Phil	0			0	0
	Others					
English & Culture Studies	PG	288	Nil	Nil	129	159
	Ph. D.	24	Nil	Nil	14	10
	M Phil	04	Nil	Nil	Nil	04
	Others					

Foreign Language	PG					
	Ph. D.					
	M Phil					
	Others					
	Certificate				32	13
	Diploma				Nil	04
	Adv Dip				01	Nil
Hindi	PG	270	Nil	Nil	50	220
	Ph. D.	45	-	-	20	25
	M Phil	06	Nil	Nil	02	04
	Others					
History	PG	138			86	52
	Ph. D.	8			6	2
	M Phil	Nil				
	Others					
Law	PG (LL.M)	108	Nil	Nil	62	64
	Ph. D.					
	M Phil					
	Others	340	Nil	Nil	176	164
Library and Information Science	PG	15	0	0	8	7
	Ph. D.	19	0	1	16	4
	M Phil	0	0	0	0	0
	Others (BLIS)	63	0	0	46	17
Mass Communication	PG	All				
	Ph. D.	All			3	3
	M Phil					
	Others					
Philosophy	PG	170	00	00	103	67
	Ph. D.	39	00	01	21	18
	M Phil	05	00	00	04	01
	Others: Ph.D Course-work	05	00	00	02	03
Political Science	PG	100	X	X	53	47
	Ph. D.	10	X	X	4	6
	M Phil	X	X	X	X	X
	Others	X	X	X	X	X
Sanskrit	PG	100			31	69
	Ph. D.	33			16	17
	M Phil	10			7	3
	Others					
Sociology	PG					

	Ph. D.					
	M Phil					
	Others					
Tourism Management	PG	17	Nil	Nil	14	03
	Ph. D.					
	M Phil					
	Others					
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>Level</i></b>	<b><i>Within the State</i></b>	<b><i>Outside the State</i></b>	<b><i>International</i></b>	<b><i>Total No.</i></b>	
					<b><i>Men</i></b>	<b><i>Women</i></b>
Bio-Technology	PG	32	11	Nil	20	23
	Ph. D.	09	01	01	08	04
	M Phil					
	Others					
Botany	PG	55	-	-	15	40
	Ph. D.	23	-	-	08	15
	M Phil	NA	NA	NA	NA	NA
	Others	NA	NA	NA	NA	NA
Chemistry	PG	142	02	Nil	88	56
	Ph. D.	79	Nil	Nil	48	31
	M Phil	Nil		Nil	Nil	Nil
	Others	Nil	Nil	Nil	Nil	Nil
Computer Science	PG	45	15		44	16
	Ph. D.					
	M Phil					
	Others					
Education	PG					
	Ph. D.	27	0	0	16	11
	M Ed.	22	0	0	08	14
	B.Ed.	68	0	0	33	35
Environmental Science	PG	24	--	--	3	21
		25	--	--	6	19
	Ph. D.	31				
	M Phil	--				
	Others	--				
Geography	PG	116			69	47
	Ph. D.					
	M Phil	1			1	
	Others					
Mathematics	PG	211	Nil	Nil	144	67
	Ph. D.	19	Nil	Nil	17	02
	M Phil	Nil	Nil	Nil	Nil	Nil
	Others	Nil	Nil	Nil	Nil	Nil
Microbiology	PG	30			2	28
	Ph. D.	13			6	7

	M Phil					
	Others					
Physics	PG					
	Ph. D.					
	M Phil					
	Others					
Statistics	PG	14	-	-	09	05
	Ph. D.	05	-	-	04	01
	M Phil	-	-	-	-	-
	Others	-	-	-	-	-
Zoology	PG	78	0	0	34	44
	Ph. D.					
	M Phil					
	Others					

Department		Last Year						This Year					
		General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts & Music	Bengali	259	84	24		5	370	250	91	21		8	370
	Business Administration	29	1				30						
	Business Administration (HR)	50	3	0	3		56	45	5	0	2	0	52
	Commerce	93	11	Nil	Nil	01	105	94	6	1	Nil	Nil	101
	Economics												
	English & Culture Studies	227	71	20	NA	NA	318	202	73	13	NA	NA	288
	Foreign Language						24						50
	Hindi	64	14	04	-	01	85	61	07	03	-	-	71
	History						138		35	5			
	Law	(LL.B) 60	4	1	Nil	Nil	60	50	8	Nil	Nil	Nil	50
		(LL.M) 29	9	nil	Nil	Nil	29	25	4	Nil	Nil	Nil	25
	Library and Information Science	74	23	3	--	--	100	74	22	2	--	--	98
	Mass Communication	42	3		1		46	47	3				50
	Philosophy	54	21	01	09	00	85	55	22	04	05	00	85
	Political Science												
Sanskrit	65	29	6			100	65	29	6			100	
Sociology							-						
Tourism Management													
Faculty Council for Post-graduate Studies in Science	Bio-Technology	23	02	Nil	Nil		25	14	02	Nil	02		18
	Botany	44	08	03	-	-	55	41	12	02	-	-	55
	Chemistry	94	38	Nil	12	Nil	144	89	41	01	13	Nil	144
	Computer Science	33	12	3	12		60	33	12	3	12		60

Education							91	18	05		03	117
Environmental Science	20	1	-	3	--	24	25	-	-	-	-	25
Geography	41	9	5		1	56	45	9	5		1	60
Mathematics	76	25	03	00	01	105	76	29	00	00	01	106
Microbiology	27	5				32	30	1	1			32
Physics							M.Sc. 125	M.Sc. 36	M.Sc. 2	M.Sc. 0	M.Sc. 3	M.Sc. 166
							M.Tech. 23	M.Tech. 05	M.Tech. Nil	M.Tech. 02	M.Tech. Nil	M.Tech. 30
Statistics	13	-	-	-	-	13	14	-	-	-	-	14
Zoology	54	17	02	06	Nil	79	54	17	03	04	Nil	79

#### **5.4 Details of student support mechanism for coaching for competitive examinations (If any)**

##### **No. of students beneficiaries**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Details of student support mechanism</i>	<i>Number</i>
Bengali	The department provides NET/SET Coaching	15
Business Administration	NET/SET coaching for all students	Nil
Business Administration (HR)		
Commerce		
Economics		10
English & Culture Studies		
Foreign Language		NA
Hindi		30
History		
Law		Nil
Library and Information Science	Students were given NET/SET coaching	4
Mass Communication		
Philosophy	NET/SET/SSC etc.	55
Political Science	There is one arrangement for holding special classes for NET, SET, examination etc.	
Sanskrit	NET / SET Coaching	
Sociology		
Tourism Management		

<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Details of student support mechanism</i>	<i>Number</i>
Bio-Technology		
Botany	Through arrangement of Computer lab and internet facilities, Special classes etc.	All PG students
Chemistry	NET/SET/GATE/Special Coaching/Remedial Classes Through active participation of all the faculty members	All students
Computer Science		
Education		
Environmental Science		8
Geography	Tutorial Classes	116
	NET-SET Coaching	25
Mathematics		
Microbiology	Centrally coaching for NET is conducted and our teachers take NET classes on regular basis	
Physics	NET, SET preparatory coaching facilities are provided to the students	
Statistics		Nil
Zoology		

### **5.5 No. of students qualified in these examinations**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>NET</i>	<i>SET/SLET</i>	<i>GATE</i>	<i>CAT</i>	<i>IAS/IPS</i>	<i>State PSC</i>	<i>UPSC</i>	<i>Others</i>
Bengali	15							
Business Administration	Nil							
Business Administration (HR)	0	0	0	0	0	0	0	2
Commerce	24							
Economics	3	1						
English & Culture Studies	-							
Foreign Language	NA							
Hindi	10	Nil	Nil	Nil	Nil	Nil	Nil	02
History	3	3						
Law	1					3		
Library and Information Science	22	Nil	Nil	Nil	Nil	Nil	Nil	8 (WBSSC)
Mass Communication	2							

Philosophy	10	15	00	00	00	----	----	11 (SSC)
Political Science	5	0	0	0	0	0	0	0
Sanskrit	7							
Sociology	2							
Tourism Management								
<b>Faculty Council for Post-graduate Studies in Science</b>	<b>NET</b>	<b>SET/ SLET</b>	<b>GATE</b>	<b>CAT</b>	<b>IAS/ IPS</b>	<b>State PSC</b>	<b>UPSC</b>	<b>Others</b>
Bio-Technology	6	-	8	-	-	2	-	3 (Bank)
Botany	4	Nil	2	Nil	Nil	Nil	Nil	Nil
Chemistry	23	02	36	Nil	Nil	Nil	Nil	65
Computer Science	15	2	4					
Education	1							
Environmental Science	2	--	--	--	--			2
Geography	56	1						
Mathematics	06	Nil	05	Nil	Nil	Nil	Nil	01
Microbiology	01 (faculty)	-	-	-	-	-	-	-
Physics	03		10					
Statistics	2	-	-	-	-	-	-	-
Zoology	4	1	6			1		

**Details of student counselling and career guidance (if any)**

**No. of students benefitted**

<b>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</b>	<b>Details of student counselling and career guidance</b>	<b>Number</b>
Bengali	X	
Business Administration	Skill development in the field of management	All students
Business Administration (HR)	Students are continuously guided to meet the requirements of the job market. Coaching for NET imparted to students	All students for career guidance, 10 students for NET
Commerce		
Economics		
English & Culture Studies	Data not available	
Foreign Language	Nil	
Hindi	Department has allotted some periods for counselling and career guidance. We try to address almost every student	25
History	95 Students were admitted in History into the Centre for NET/SET Studies, BU, during Nov.12-Feb.13	6
Law	Nil	
Library and Information Science	Nil	

Mass Communication		
Philosophy	Besides giving Tutorial/Remedial Classes continual counselling and career guidance are provided by the faculty on demand /requirement-basis.	75% Students approximately
Political Science		1
Sanskrit	NA	
Sociology		
Tourism Management		
<b>Faculty Council for Post-graduate Studies in Science</b>	<b>Details of student counselling and career guidance</b>	<b>Number</b>
Bio-Technology	NA	
Botany	Through arrangement of Computer lab and internet facilities, Special classes etc.	All PG students
Chemistry	Faculty members often guide and teach the students in remedial and special classes even in the holidays for different all India examinations which is reflected in their performance in the results of NET, GATE, SET, BARC, IISc., IITs, IISERs, ect. Students are dealt with model questions in the previous years of various competitive examinations	All students
Computer Science		
Education	NA	
Environmental Science		2
Geography	NA	
Mathematics		30 (Students and Scholars)
Microbiology	Parallel counselling with regular classes	All
Physics	According to the performance of the students in the M.Sc Examination, students are guided and motivated to appear in different Ph D entrance tests, scientist post, and other academic post in different leading Institutes/Organizations that included BRAC, SINP, VECC, IACS, Bose Institute, DRDO Labs, NPL, IISC, IISER, IITs, IIA, HRI, RRCAT etc. Students are also motivated in the research work by arranging different seminar lectures by renowned Scientist of these Institutes as well.	80
Statistics	Students are regularly advised to appear in campus appointment in Burdwan University, Calcutta University and I.S.I., Kolkata. Senior students are helping them to apply to their company. They are also advised to appear in different competitive examinations. In many cases, they are guided by the faculty members.	4 (Four)
Zoology		

**Details of campus placement**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>On campus</i>			<i>Off Campus</i>
	<i>Number of Organizations Visited</i>	<i>Number of Students Participated</i>	<i>Number of Students Placed</i>	<i>Number of Students Placed</i>
Bengali		X		
Business Administration				7
Business Administration (HR)				10
Commerce				
Economics				
English & Culture Studies		-		
Foreign Language		Nil		
Hindi	N.A.	N.A.	N.A.	N.A.
History		NA		
Law		Nil		
Library and Information Science	2	8	2	10
Mass Communication				
Philosophy		Centrally made		
Political Science	X	X	X	X
Sanskrit		NA		
Sociology				
Tourism Management	04	15	10	05
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>On campus</i>			<i>Off Campus</i>
	<i>Number of Organizations Visited</i>	<i>Number of Students Participated</i>	<i>Number of Students Placed</i>	<i>Number of Students Placed</i>
Bio-Technology	2	10	3	-
Botany		NA		
Chemistry	Nil	Nil	Nil	Nil
Computer Science				
Education		NA		
Environmental Science	1	6	2	6
Geography				45
Mathematics	01	05	01	55
Microbiology				5
Physics				
Statistics	1	9	2	4
Zoology				

**No. of students participated in Sports, Games and other events**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Events</i>	<i>University</i>	<i>National</i>	<i>State</i>	<i>International</i>	<i>Total</i>
Bengali	Sports/Games	10				
	Cultural	20				
Business Administration	Sports/Games	NA				
	Cultural	NA				
Business Administration (HR)	Sports/Games					
	Cultural					
Commerce	Sports/Games					
	Cultural					
Economics	Sports/Games	10				
	Cultural	20				
English & Culture Studies	Sports/Games	-				
	Cultural	-				
Foreign Language	Sports/Games	Nil				
	Cultural	Nil				
Hindi	Sports/Games	10	-	-	-	10
	Cultural	20	-	10	-	30
History	Sports/Games					
	Cultural					
Law	Sports/Games	Nil				
	Cultural	Nil				
Library and Information Science	Sports/Games	5	0	0	0	5
	Cultural	10	0	0	0	10
Mass Communication	Sports/Games	14				14
	Cultural	18				18
Philosophy	Sports/Games	17	01	03	00	21
	Cultural	56	01	01	00	58
Political Science	Sports/Games	1	X	X	X	1
	Cultural	1	X	X	X	1
Sanskrit	Sports/Games	1				
	Cultural	1				
Sociology	Sports/Games					
	Cultural					
Tourism Management	Sports/Games					
	Cultural					
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Events</i>	<i>University</i>	<i>National</i>	<i>State</i>	<i>International</i>	<i>Total</i>
Bio-Technology	Sports/Games	2	1	-	-	3
	Cultural	1	1	1	-	3
Botany	Sports/Games	20				20

	Cultural	05				05
Chemistry	Sports/Games	36	Nil	Nil	Nil	36
	Cultural	45	Nil	Nil	Nil	45
Computer Science	Sports/Games	9				
	Cultural	4				
Education	Sports/Games	NA				
	Cultural	NA				
Environmental Science	Sports/Games	6	--	--	--	6
	Cultural					
Geography	Sports/Games	20				20
	Cultural	50				50
Mathematics	Sports/Games	102	Nil	01	Nil	103
	Cultural	105	Nil	Nil	Nil	105
Microbiology	Sports/Games					
	Cultural	15				15
Physics	Sports/Games					
	Cultural					
Statistics	Sports/Games	Nil				
	Cultural	Nil				
Zoology	Sports/Games					
	Cultural					

**No. of medals /awards won by students in Sports, Games and other events**

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>	<i>Events</i>	<i>University</i>	<i>National</i>	<i>State</i>	<i>International</i>	<i>Total</i>
Bengali	Sports/Games	03				
	Cultural	02				
Business Administration	Sports/Games	Nil				
	Cultural	Nil				
Business Administration (HR)	Sports/Games					
	Cultural					
Commerce	Sports/Games					
	Cultural					
Economics	Sports/Games	1				
	Cultural	3				
English & Culture Studies	Sports/Games	-				
	Cultural	-				
Foreign Language	Sports/Games	Nil				
	Cultural	Nil				
Hindi	Sports/Games	-	-	-	-	-
	Cultural	-	-	-	-	-

History	Sports/Games					
	Cultural					
Law	Sports/Games	Nil				
	Cultural	Nil				
Library and Information Science	Sports/Games					0
	Cultural					0
Mass Communication	Sports/Games			1		1
	Cultural					
Philosophy	Sports/Games	02	01	03	00	
	Cultural	06	00	00	00	
Political Science	Sports/Games	X	X	X	X	X
	Cultural	X	X	X	X	X
Sanskrit	Sports/Games	6				
	Cultural	2				
Sociology	Sports/Games					
	Cultural					
Tourism Management	Sports/Games					
	Cultural					
<b><i>Faculty Council for Post-graduate Studies in Science</i></b>	<b><i>Events</i></b>	<b><i>University</i></b>	<b><i>National</i></b>	<b><i>State</i></b>	<b><i>International</i></b>	<b><i>Total</i></b>
Bio-Technology	Sports/Games	2	-	-	-	2
	Cultural	2	1	1	-	4
Botany	Sports/Games	02				02
	Cultural					
Chemistry	Sports/Games	02	Nil	Nil	Nil	Nil
	Cultural	01	Nil	Nil	Nil	Nil
Computer Science	Sports/Games					
	Cultural					
Education	Sports/Games	NA				
	Cultural	NA				
Environmental Science	Sports/Games	--				
	Cultural					
Geography	Sports/Games	2				2
	Cultural	2				2
Mathematics	Sports/Games	Nil	Nil	Nil	Nil	Nil
	Cultural	Nil	Nil	Nil	Nil	Nil
Microbiology	Sports/Games					
	Cultural	1				1
Physics	Sports/Games					
	Cultural					
Statistics	Sports/Games	Nil				
	Cultural	Nil				
Zoology	Sports/Games	0	0	0	0	0
	Cultural	1	0	0	0	0

### 5.10 Scholarships and Financial Support

<i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i>		<i>Number of students</i>	<i>Amount</i>
Bengali	Financial support from institution	20% students get full/half free ship against tuition fees	
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Business Administration	Financial support from institution		
	Financial support from government	1	
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Business Administration (HR)	Financial support from institution		
	Financial support from government	2	
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Commerce	Financial support from institution	19	
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Economics	Financial support from institution	25	
	Financial support from government	3	
	Financial support from other sources		
	Number of students who received International/ National recognitions		
English & Culture Studies	Financial support from institution		
	Financial support from government		
	Financial support from other sources		-
	Number of students who received International/ National recognitions		
Foreign Language	Financial support from institution		
	Financial support from government		
	Financial support from other sources		Nil
	Number of students who received International/ National recognitions		

Hindi	Financial support from institution	30	36,000
	Financial support from government	-	-
	Financial support from other sources	-	-
	Number of students who received International/ National recognitions	-	-
History	Financial support from institution		
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Law	Financial support from institution	20% get full/ half free ship.	
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Library and Information Science	Financial support from institution	15	Rs. 18,000/-
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Mass Communication	Financial support from institution		
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Philosophy	Financial support from institution	34	
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions	Nil	Nil
Political Science	Financial support from institution	98 half free 1 full free	Rs. 120 Yly Rs. 240 Yly
	Financial support from government	X	X
	Financial support from other sources	X	X
	Number of students who received International/ National recognitions		X
Sanskrit	Financial support from institution	40	
	Financial support from government	40	
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Sociology	Financial support from institution	20	-
	Financial support from government	6	-
	Financial support from other sources		

	Number of students who received International/ National recognitions		
Tourism Management	Financial support from institution	01	Tuition Fee
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
<b>Faculty Council for Post-graduate Studies in Science</b>		<b>Number of students</b>	<b>Amount</b>
Bio-Technology	Financial support from institution	4	35,000/- in two years/per student
	Financial support from government	9	36,000/-per Annum/student
	Financial support from other sources	Nil	
	Number of students who received International/ National recognitions	Nil	
Botany	Financial support from institution	9	
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Chemistry	Financial support from institution	-	-
	Financial support from government	-	-
	Financial support from other sources	-	-
	Number of students who received International/ National recognitions	-	-
Computer Science	Financial support from institution	12	60,000
	Financial support from government	7	
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Education	Financial support from institution		
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		SC, ST students get Govt. Financial support as per rule and norms of the Govt.
Environmental Science	Financial support from institution		
	Financial support from government		
	Financial support from other sources		-
	Number of students who received International/ National recognitions		
Geography	Financial support from institution	32	wave of tuition fee
	Financial support from government	15	14,400/student/year
	Financial support from other sources		

	Number of students who received International/ National recognitions		
Mathematics	Financial support from institution		
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Microbiology	Financial support from institution	02	Full tuition fees concession (25,000/-)
	Financial support from government	03	5,08,800/- p.a.
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Physics	Financial support from institution		
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		
Statistics	Financial support from institution	2	Tuition fee waived
	Financial support from government	-	-
	Financial support from other sources	2	As Per West Bengal Minorities Development and Finance Corporation Rule
	Number of students who received International/ National recognitions	-	-
Zoology	Financial support from institution		
	Financial support from government		
	Financial support from other sources		
	Number of students who received International/ National recognitions		

**Innovations introduced during this academic year (if any)**

<b><i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i></b>	
Bengali	
Business Administration	Efforts made in the development of choice-based credit system
Business Administration (HR)	
Commerce	Nil
Economics	NA
English & Culture Studies	No
Foreign Language	Nil
Hindi	

History	
Law	
Library and Information Science	None
Mass Communication	
Philosophy	Nil
Political Science	Formation of New Syllabus based on the Credit System
Sanskrit	NA
Sociology	
Tourism Management	
<b>Faculty Council for Post-graduate Studies in Science</b>	
Bio-Technology	
Botany	Revision of syllabus, Field base study etc.
Chemistry	Not of special mention for this academic year
Computer Science	
Education	
Environmental Science	Campus cleaning; General Environmental Awareness Programmes in the society
Geography	NA
Mathematics	Nil
Microbiology	Nil
Physics	Students primary knowledge about a particular experiment is checked before entering into the laboratory to start that experiment.
Statistics	Regular seminars by the students and faculty members
Zoology	NA

**Give two Best Practices of the Department**

<b>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</b>	<b>Two Best Practices</b>
Bengali	i) Audio-visual learning and reading ii) Personal contact between the teachers and taught on learning
Business Administration	i) Upgradation of curriculum ii) Industrial visit
Business Administration (HR)	i) Updated and comprehensive study material provided to students ii) Topics invited from students and these are covered in the class (especially the ones that have contemporary relevance).
Commerce	i) For long, department has been trying to offer its students homely atmosphere so that the students can communicate freely before the teachers. This is considered to be of much help for imparting education particularly at this level of education. With this end in view, in a year two/three social programmes are organized in the department in which students play the role of organizers. This allows the department to manage the educational activities in a disciplined manner. ii) For an institute of higher learning like university, one of the main functions is to encourage serious research works. Over the decades, the

	<p>department has been trying to pursue this goal. Every year good number of scholars earn Ph. D degree of this university under the able guidance of the teachers of this department. Their presence at the national/international levels as authors as well as researchers can speak in favour their contributions. Department has a long history to undertake research studies in the emerging areas of knowledge in commerce and management. Presently, three major/minor research projects are running which seek to address issues like sustainability reporting, inclusive growth etc.</p>
Economics	<p>i) Periodic Student Teacher Meet for exchange of ideas and interactions ii) Socio-economic Survey to familiarise students with real life socio-economic problems</p>
English & Culture Studies	<p>i) The Head of the Department takes bi-monthly stock of the portions of syllabus covered through feedback from colleagues. ii) The Department also seeks opinion from the members of the Postgraduate board of Studies on a regular basis regarding the course content and possible ways in which teaching programmes could be made more meaningful.</p>
Foreign Language	<p>i) We modify our teaching methods on the basis of the feedback received from the students. We welcome the students to come up with their own innovative ideas and we are often enriched through a discussion with them. ii) We faculty members meet on a regular basis to share our experiences in class and have discussions on problems of language teaching. On the basis of this we formulate our teaching strategies.</p>
Hindi	<p>i) Audio Visual learning &amp; reading ii) Regular interactions between Teachers &amp; Students.</p>
History	<p>i) Involvement in DRS Research ii) Development of a team of researchers from among the faculty members on the History of Medicine and Technology as also the History of the Rarh Bengal.</p>
Law	<p>i) Department organized legal aid camp for downtrodden people.</p>
Library and Information Science	<p>i) Students are encouraged to help in ICT applications to fellow students of other departments. ii) Department is acting as the UGC-NET coordinating centre of the University.</p>
Mass Communication	<p>i) An interdisciplinary update syllabus. ii) A healthy student – teacher – non teacher’s interaction within the department.</p>
Philosophy	<p>i) Teaching is provided under semester system following Lecture Mode with and without LCD Projection, Tutorial (remedial) Mode, and Interactive Method, ii) The department monitors teaching-learning activities by discussing the concerned matters thoroughly in appropriate statutory bodies.</p>
Political Science	<p>i) Formation of New Syllabus based on the Credit System formed during 2012-13 ii) X</p>
Sanskrit	<p>i) Regularity of classes. ii) Quality research supervision.</p>
Sociology	<p>i) Regular DC meetings. ii) Regular teacher-student interactions in matters vital for students</p>
Tourism Management	<p>i) xxxx ii)xxxx</p>
<b>Faculty Council for Post-graduate Studies in Science</b>	<b>Two Best Practices</b>
Bio-Technology	<p>i) M.Sc students are always encouraged to publish their project works in different national and international reputed journals. ii) Students are encouraged for appearing different competitive examinations</p>

	(like NET, GATE, BET, GRE etc.).
Botany	i) Organized of National Seminar ii) Regular Seminar delivered by the Semester IV students.
Chemistry	i) Teaching and research for enlightening and untangling chemical knowledge and broadening chemistry in different disciplines of science and social science ii) Our motto is to produce good students for the backbone of the country
Computer Science	
Education	i) Teaching through power point ii) Seminar presentation
Environmental Science	i) Students are involved in field programmes and dissertation works ii) Cleanliness of the Campus
Geography	i) Students clean their own classroom ii) Faculties are always available for the students even after teaching hours up to late evening.
Mathematics	i) Teaching ii) Research
Microbiology	i) We arrange seminar lecture delivered by our students on regular basis ii) We maintain our dept. As No Smoking Zone
Physics	i) Remedial and tutorial Classes taken for students with poor academic background. ii) Individual interaction through discussion and viva-voce with the students by teachers in the practical classes for each experiment.
Statistics	i) Regular seminar by the Students ii) Real Data collection based on the project of the students
Zoology	i) Regular class ii) Sharing of instruments for research purpose.

**Contribution to environmental awareness / protection (if any)**

<b><i>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</i></b>	<b><i>Contribution</i></b>
Bengali	Made garden in front of the department.
Business Administration	Social outreach programme for students
Business Administration (HR)	Students encouraged to make the building and the campus a plastic-free zone
Commerce	
Economics	NA
English & Culture Studies	No
Foreign Language	
Hindi	Plastic free zone
History	Teachers and students of the Department have taken part in tree plantation ceremony inside the Golapbag campus.
Law	
Library and Information Science	Students are entrusted with the task of nurturing the plants planted in front of the Department.
Mass Communication	
Philosophy	Teachers and Students actively participated in plantation programme of Golapbag Campus

Political Science	X
Sanskrit	
Sociology	The Environmental Sociology paper takes care of instilling environmental awareness among the students.
Tourism Management	
<b>Faculty Council for Post-graduate Studies in Science</b>	<b>Contribution</b>
Bio-Technology	
Botany	Plastic free campus, Green campus. Plantation
Chemistry	Sustainable methodology development using pragmatic theory obtainable through synergetic benefit of experiment and theory to develop green chemistry for environmental protection from hazardous chemicals, reagents, solvents, etc.
Computer Science	
Education	Students have gone to the neighbourhood community to promote awareness about environmental pollution.
Environmental Science	i) Students are engaged in campus cleaning ii) Smoking and Plastic free zone iii) Celebration of World Environment Day
Geography	Planting of trees (North side of the Department).
Mathematics	Nil
Microbiology	We dispose our wastes after sterilization through autoclaving in sterilizable disposable plastic bags.
Physics	Each student is made aware of the nuclear hazards before entering laboratory meant for nuclear physics. Students are encouraged to practice plantation and gardening during leisure time.
Statistics	One flower garden is prepared in front of the Department
Zoology	Organize biodiversity related programme and programmes on community health at Tarakeswar.

**Any other relevant information (not more than 3 points)**

<b>Faculty Council for Post-graduate Studies in Arts, Commerce, Law, Fine Arts &amp; Music</b>	<b>Any other relevant information</b>
Bengali	<p><b>a) Strength</b></p> <p>i) Biggest Department in the University according to the student's strength</p> <p>ii) Excellent unity between the teachers, Staff &amp; students</p> <p><b>b) Weakness</b></p> <p>i) Lack of Rest Room &amp; Toilet</p> <p>ii) Lack of Model Class Room</p> <p><b>c) Opportunity</b></p> <p>i) Recognised as Centre of Advanced Studies by UGC</p> <p><b>d) Challenges</b></p> <p>i) To achieve Centre of Excellence</p>
Business Administration	<p><b>a) Strength</b></p> <p>i. The department retains a strong group of faculties whose</p>

qualification, knowledge and skill are commendable. Each member of the faculty is holding a Ph.D degree and the teaching and research experience of them spans from 12 years to 30 years.

- ii. Moreover, a large number of research scholars pursuing doctoral program under the supervision of departmental faculties have been awarded Ph.D. Besides, teachers on regular basis publish research articles in national and international journal and edited books. Teachers have also publications in books from national and international publishing companies. Moreover, they have experience in handling research projects and consultancy works. They represent as resource persons in refresher courses in management and relevant disciplines in their own and other universities. They act as experts in selection committees in various universities and are invited to Board of Research studies, moderation boards, Syllabus Restructuring committee etc. as external experts.
- iii. The department bears a strong heritage in terms of number of years of existence. In fact, It has completed thirty years in 2014. The Burdwan University is pioneer in offering MBA program amongst all universities in West Bengal. The department was first of its kind in West Bengal to start Master in Tourism Administration (MTA) programme.

#### **b) Weakness**

- i. Infrastructure is real problem area of the department. Inadequacy of class rooms, toilets, laboratories etc. deter the day to day functioning of the department.
- ii. Proliferation of business schools in West Bengal has a negative bearing on the number of applicants in the MBA program. Indeed, the number of applicants has drastically reduced in last few years.
- iii. Absence of a full time placement officer has been seriously retarding the placement activities of the department.

#### **c) Opportunity**

- i. Geographical location of the department is such that it is able to cater to management education to both rural and urban semi urban centric students.
- ii. Because of the presence in the vicinity of industrial area, close interaction between industry and academia can be developed. This will facilitate internship, managerial development and placement of the students.
- iii. Because, of its long existence and heritage, the department can invite nationally and internationally acclaimed visiting faculties to come here and enlighten the students with their valuable knowledge and experience.

#### **d) Challenges**

- i. In view of proliferation of management institutes in the vicinity of Burdwan and adjoining districts, drawing a large pool of MBA aspirants to our departments has become a serious challenge.
- ii. Revival of the industry academia interface at the right

	<p>earnest has emerged as a serious challenge to boost a professional department like ours.</p> <p>iii. Overcoming the paucity of fund been apportion for the department is the bottle neck for the infrastructural development.</p>
<p>Business Administration (HR)</p>	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Dedicated group of faculty members</li> <li>ii) Faculty members having strong commitment to learn and apply knowledge</li> <li>iii) Modern teaching methods followed</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Faculty strength is very low</li> <li>ii) Non-availability of non-teaching staff</li> <li>iii) Infrastructure deficiency</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Opportunity to handle company-specific problems and consultancy activities</li> <li>ii) Opportunity to attract international students mainly from the SAARC countries</li> <li>iii) Development of collaboration with various industries in and around Burdwan</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) Attracting quality students from the various parts of the country and abroad</li> <li>ii) Meeting competition from the private management institutes.</li> <li>iii) Coping with the dynamic changes in the stakeholders' expectations (employers' needs, guardians' expectation etc.)</li> </ul>
<p>Commerce</p>	<p><b>a) Strength</b></p> <p><b>i. Very rich faculty</b></p> <p>The department has been serving the nation for more than five decades. It has produced large number of very successful academicians and professionals who have served or are associated with distinguished institutions like IIM, MDI, ICAI, IMT, ICMAI and various other Indian as well as foreign universities&amp; institutes. Many Indian corporate houses, banks, insurance companies and many other financial institutions of repute have also received many successful professionals from this department. It is known to the academic fraternity and the industries of the state for its famous academicians and academic administrators.</p> <p>The first President of the West Bengal Council for Higher Education, Prof. D.S. Ganguly was chosen from this department. One of the extremely popular books on Business Management was written by Prof. Satya Saran Chatterjee, a retired Professor and founder faculty member of this department. Prof. Mrityunjoy Banerjee, former Education Minister of the Government of West Bengal was associated as Professor with this department. Professor</p>

Amit Kumar Mallik is remembered as one of the most successful Vice-Chancellors of this university. The department is proud to recall his attachment with it as Professor for a period of more than three decades. Department has the reason to feel honored for its memorable association with one of the well-known professors and authors of the country in Economics, Prof. Jaydeb Sarkhel. Among the most respected academicians in Commerce Prof. Pranesh Das was associated with this department. Their able leadership has helped the department to earn reputation among the universities and the institutes of the country. And most importantly, the department is still receiving advice from some of these stalwarts. With their valuable suggestions and active cooperation the department will reach new heights of achievements in the near future.

**ii. Friendly teaching-learning environment**

The department is known for its friendly academic environment where students can enrich themselves through personal contacts with the faculty members. Researchers get the opportunities to interact with all of the faculty members without any barrier. As a result, large numbers of researchers always remain associated with the department for conducting research studies. Consequent to this open and friendly academic environment there occur valuable research contributions by the research students of the department. Their publications in the journals of national and international repute certainly advocate in favour of research excellence of this department. Among other notable events to recall are the national and international awards for 'Best Research Papers' received by the researchers and faculty members during the last couple of years.

**iii. International connection and recognitions**

The department has the reason to feel happy for the association of its members with various national and international organizations. Teachers are associated as 'reviewer' with prominent international journals and publication houses. Emeralds, Palgrave Macmillan are some of the prominent publication agencies with which faculty members are associated either as authors or as reviewers. As authors of various books also they have countable presence at the national level.

One faculty member has been chosen by the United Nations Environmental Program Finance Initiative to act as an expert member of a Technical Working Group which is entrusted with development of Accounting & Reporting Standard for Carbon Emission.

Recognition has also been received by the faculty member from the European Commission as a member of its experts' panel. Apart from this, members have close associations with internationally reputed organization namely Global Reporting Initiative etc.

## **b) Weakness**

### **i. Students' enrolment**

Throughout the state, enrolment in the courses offered in the discipline of Commerce has been gradually decreasing. This department is no exception to it. Over the period, inflow of quality students has come down considerably. As a result, quality in teaching-learning process has appeared to be a great concern of the department. However, continuous and sincere efforts of the faculty members have been able to uphold the academic standard at some acceptable level.

### **ii. Faculty turnover**

Faculty turnover has become a serious problem during recent years. Besides normal retirements, six whole time teachers left the department in recent years. Average stay of those faculty members in the department was even less than five years. Moreover, during the last six/seven years seven (one in each year) faculty members retired from the department which for the time being has created problems in respect of responsibility sharing. However, very strong understanding among the faculty members and their commitment to the society have helped the administration to solve the problem.

### **iii. Partnership with industries**

In the present day market economic context, an effective teaching-learning-research process necessarily requires interaction between industry and academia. The department is required to develop effective relationship with the industries for its own survival. In order to enhance the existing links, the department takes initiatives on a regular basis through inviting business professionals to deliver lectures before the students.

## **c) Opportunity**

### **i. Energetic young faculty members**

As mentioned earlier, most of the present faculty members are very young, energetic and well qualified. Their sincerity and commitment are the main strengths of the department. As a result, developing appropriate orientation of the department is easier. Based on this strength, very recently the department has been able to apply for SAP-I to the UGC.

### **ii. Scope of offering job oriented extension courses**

The department has a long history of its association with the industries of the state. As mentioned earlier, extension course in the form of 'finishing curriculum' was one important offer to the students. Similar other courses may be offered by the department, if adequate facilities are created. Existing faculty members are adequately competent to undertake this type of programme. The department in collaboration with National Stock Exchange (NSE) has been running a short course programme with instructions and training provided by the NSE. Other such

value based programmes having job prospects may be undertaken to help the students in their career building.

**iii. New courses for the industry**

Expertise of the existing faculty members in some cases is sufficient to offer Professional Development Programme for the industry people. Expertise in the field of Accounting & Reporting of the faculty members may be utilized to offer crash courses for the interested professionals in the area of ‘Sustainability Reporting’. Also, research experience by the faculty members in the area of ‘Social Entrepreneurship’ may be utilized to offer consultancy in this area. Project work concerning the assessment of social responsibility performances by the local business houses/organisations may help a lot in this respect.

**d) Challenges**

**i. To develop the department adequately to serve the demand of the new-generation learners**

Every academic institution needs to be equipped adequately with the required capabilities to serve the changing socio-economic-technological environment. This dynamic nature is the pre-requisite for any academic institution, particularly for the universities. This department is certainly equipped with competent faculties. But utilizing their efficiencies is the task of the people who manage the university affairs. The department has to take up this challenge of remaining adequately dynamic for the aforesaid purpose. Within the limited scope of the department, making the course curriculum comparable with other leading institutions of the country may be considered as an indication of its responsiveness to the changes.

**ii. To remain adequately sensitive to accept new horizons of the subject**

Economic environment around the globe has been changing very fast along with the socio-political and natural environment. Under such rapidly changing environment, business activities and management of such activities have been absorbing new dimensions and unveiling the new strategic roots of achieving the business targets which in turn, require development of new performance metrics. This dynamic nature of business has put forward universal challenges before the academicians and the professionals to come out with appropriate solutions. This department is no exception to that. However, its energetic members are open to take up the responsibility.

**iii. Inadequate employment opportunity and quality of education**

Probably the chronic problem which the education sector of this nature has been confronting is the lack of employment opportunities for the young educated job

	<p>seekers. In West Bengal and for the Commerce students in particular, the aforesaid problem appears to be more accurate. Consequently, maintaining the academic standard is a great challenge. The department has no other options left but to remain as spectator of this country/state-wide economic crisis. Sincerity and commitment of the faculty members is the only weapon at their disposal which they use as per their ability.</p>
Economics	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Diversity of expertise of the teachers</li> <li>ii) Teachers' involvement in a number of research projects</li> <li>iii) Cordial student-teacher relation</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Lack of adequate infrastructural facilities</li> <li>ii) Lack of a skilled computer trained technical staff in the Dept.</li> <li>iii) Falling quality of entrants in general</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Multiple specialisation streams for students – may be channelized for placements</li> <li>ii) Established expertise of teachers in socio-economic research – may be show-cased to procure Consultancy Projects</li> <li>iii) Socio-economic survey can be expanded as extension activity by adopting few villages</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) Continuing the excellent teaching standard in face of falling student quality</li> <li>ii) Motivating passed out students to pursue higher research</li> <li>iii) Attaining effective social outreach through socio-economic survey based policy interventions</li> </ul>
English & Culture Studies	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Caring and emotionally integrated faculty (with the right mix of youth and age) dedicated to teaching and nurturing students.</li> <li>ii) A DRS (SAP) programme committed to study of diasporic literature of South Asia.</li> <li>iii) A Centre for Australian Studies with an invaluable collection of books and resource material</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Teaching posts lying vacant for a long time.</li> <li>ii) Non-teaching staff of the department are not computer literate.</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) A substantial and concerned alumni who could be the possible donors for future programmes of the department</li> <li>ii) An industrially developing hinterland that could generate possible financial support for departmental activities</li> <li>iii) As part of a growing and stable state university the department could garner some more funds to begin new</li> </ul>

	<p>centres, sustain existing programmes, and build more resources.</p> <p><b>d) Challenges</b></p> <p>i) To complete the PG &amp; M.Phil syllabuses with just seven permanent teachers in the department.</p> <p>ii) The non-teaching staff of the department are not efficient in doing many official works.</p>
Foreign Language	<p><b>a) Strength</b></p> <p>i) Ours is the only University Department in West Bengal where Advanced Diploma Courses are offered in Foreign Languages .</p> <p>ii) Although usually the majority of learners of this department belong to the student community of the University of Burdwan, we very often have learners from other walks of life and of different age groups. Students of this department include doctors, engineers, teachers, businessmen, people of several other professions as well as retired persons. The heterogeneous composition of the groups makes teaching and learning all the more interesting.</p> <p>iii) The atmosphere here is very cordial. Any language class calls for a lot of interaction between the teacher and the taught. Here the teachers always maintain individual contact with the students. The students feel free to approach the teachers with their queries (personal or collective) outside the class</p> <p><b>b) Weakness</b></p> <p>i) The greatest weak point of this department (and this is true for all Universities in the eastern regions offering foreign language courses ) is the high rate of dropouts. Many of the students discontinue, not because of lack of interest in the languages but due to circumstances that are beyond the control of the department. Many of the students preparing for their examinations (University Examinations or other competitive examinations) cannot devote the necessary time for learning a foreign language and therefore have to discontinue despite their earnest desire to learn the language. The same is true for people engaged in other professions</p> <p>ii) The second point is the infrastructural limitations. We do not have any classroom of our own. A language laboratory with all modern equipments and a full time assistant is a sine qua non for effective learning of foreign languages.</p> <p><b>c) Opportunity</b></p> <p>i) As mentioned above faculty members of the department have a chance to serve people coming from different professions and of different age groups.</p> <p><b>d) Challenges</b></p> <p>i) The greatest challenge for us is to reduce the number of drop outs. We also need to create awareness among the potential learners about the advantages of learning a</p>

	foreign language.
Hindi	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Only Department with M.A., M.Phil, Ph.D, D.Lit in Hindi in three Districts.</li> <li>ii) Personal contact between Teachers &amp; Students.</li> <li>iii) Diversity of expertise of the Teachers.</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Lack of adequate books in library.</li> <li>ii) Lack of a skilled computer trained staff in the Dept.</li> <li>iii) Non- availability of Hindi – knowing skilled ( having knowledge of Hindi typing).</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Multiple research options for Students.</li> <li>ii) Development of Dept. as Centre of Advanced Studies.</li> <li>iii) Work for DRS in Department.</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) Continuing the excellence of teaching standard in face of falling student quality.</li> <li>ii) Bringing Research Projects to the Dept.</li> <li>iii) To motivate students for further higher research.</li> </ul>
History	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Average age of departmental teachers is 44, thus rendering the department a youthful vigour.</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Out of 11 sanctioned posts, the Department has only 9 teachers.</li> <li>ii) The Department suffers from want of space and class rooms.</li> <li>iii) Want of adequate infrastructural support.</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Imparting higher education to rural Bengal.</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) Catering higher education to first generation learners</li> <li>ii) Want of adequate infrastructural support</li> <li>iii) Encountering about 140 in each M.A. semester class-room</li> </ul>
Law	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Department runs both LL.B &amp; LL.M courses.</li> <li>ii) Cordial relation between teachers staff &amp; students are maintained.</li> <li>iii)</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Lack of seminar room.</li> <li>ii) Lack of model classroom.</li> </ul>

	<p><b>c) Opportunity</b></p> <p>i) Students visit District Court High &amp; Supreme Court.</p> <p><b>d) Challenges</b></p> <p>i) To achieve centre of excellence.</p> <p>ii)</p>
Library and Information Science	<p><b>a) Strength</b></p> <p>i) Qualified &amp; experienced faculty ii) Good research output iii) 50 years of academic excellence</p> <p><b>b) Weakness</b></p> <p>i) Inadequate no. of faculty ii) Lack of regular internship facility for students iii) Insufficient no. of practical tools</p> <p><b>c) Opportunity</b></p> <p>i) Distinguished alumni ii) Large no. of different types of libraries in the catchment area iii) Capacity to provide expertise to public &amp; private sectors</p> <p><b>d) Challenges</b></p> <p>i) Job oriented curricula ii) Exploring new avenues for employment generation iii) Train students for multi-task oriented jobs</p>
Mass Communication	<p><b>a) Strength</b></p> <p>i) Availability of good books and magazines in central library. ii) Regular class and result publication. iii) Updated syllabus. iv) Non-teaching staffs are very helpful and friendly</p> <p><b>b) Weakness</b></p> <p>i) No Computer Lab. ii) No audio visual lab &amp; print Lab journal. iii) More practical approach including filed work, short assignments base on that and presentations.</p> <p><b>c) Opportunity</b></p> <p>i) Internship. ii) Practical Training Programme. iii) More number of seminars / student's seminar and conferences can be organized.</p> <p><b>d) Challenges</b></p> <p>i) To attain 100% placement for its students. ii) Film archive gallery.</p>
Philosophy	<p><b>a) Strength</b></p> <p>i) Good Quality Faculty and Work Culture ii) Average standard but endeavours students and Scholars,</p>

	<p>iii) Conducive administration,</p> <p><b>b) Weakness</b></p> <p>i) Narrow study range of the students and scholars for poor language skill mostly of the students and scholars,  ii) Shortage of teaching staff, room-space, furniture, equipment and computers  iii) Lack of innovative thinking in students and scholars.</p> <p><b>c) Opportunity</b></p> <p>i) Conducive administrative set up of the university.</p> <p><b>d) Challenges</b></p> <p>i) To overcome the narrow study range of the students and scholars for poor language skill mostly of the students and scholars,  ii) To overcome the shortage of teaching staff, room-space, furniture, equipment and computers  iii) To generate innovative thinking in students and scholars.</p>
Political Science	<p><b>a) Strength:</b></p> <p>i) Excellent Quality Faculty  ii) Updated Syllabus – Credit Based Syllabus.  iii) Good Quality Research by the Faculty.</p> <p><b>b) Weakness:</b></p> <p>i) Vacant Faculty Positions  ii) 90% Students follow Bengali Medium, which shows lack of knowledge in English.  iii) Lack of Funds for more Computers and Books &amp; Journals</p> <p><b>c) Opportunities:</b></p> <p>i) All time Wi-Fi  ii) Library and Hostel Facilities for a large number of students.  iii) Remedial measures for unintelligent and poor students.</p> <p><b>d) Challenges:</b></p> <p>i) To tackle ever – expanding huge number of students.  ii) To make lectures comprehensible for a heterogeneous group of students.  iii) To conduct projects of a large number of students.</p>
Sanskrit	<p><b>a) Strength</b></p> <p>i) Diversity of expertise/specialisation of the teachers.  ii) A cordial relationship among teachers and students.  iii) Roll-strength of the students.  iv) Good placement of the students in general.</p> <p><b>b) Weakness</b></p> <p>i) Lack of adequate infrastructural facilities including a smart class-room.  ii) Absence of an enriched departmental seminar library.  iii) Lack of adequate contingency fund for undertaking quick remedial efforts in different circumstances.</p> <p><b>c) Opportunity</b></p>

	<p>i) The syllabus is so designed that each student can have knowledge of more than one optional paper in three semesters. This introduces flexibility; hence the students can have a greater access to jobs where such specialisations are required.</p> <p>ii) A wide range of expertise of the teachers in the department opens up the door for undertaking different project works (such as DRS or Major Research Projects).</p> <p>iii) Some teachers of the department are recognized members of various academic bodies in other universities. This enables them to take part in shaping their syllabi as well as standardizing some other important academic/administrative issues.</p> <p><b>d) Challenges</b></p> <p>i) Imparting better and improved quality teaching.</p> <p>ii) Putting stress on students' career counselling.</p> <p>iii) Attaining greater social outreach impact having its base on heritage awareness programmes.</p> <p>iv) Bringing some more projects to the department.</p>
Sociology	<p><b>a) Strength</b></p> <p>i) Good relations between Faculty Members</p> <p>ii) Good relations between Faculty Members and support staff</p> <p>iii) Good relations between Faculty Members and students</p> <p><b>b) Weakness</b></p> <p>i)</p> <p>ii)</p> <p>iii)</p> <p><b>c) Opportunity</b></p> <p>i) Faculty members have availed of opportunities to go to national and international Seminars/conferences/Workshops</p> <p>ii) Faculty members have availed of opportunities to do research projects by organizations like UGC.</p> <p>iii) Faculty members have availed of opportunities to visit foreign universities/institutes through exchange programmes and other programmes.</p> <p><b>d) Challenges</b></p> <p>i) Faculty members have to work in small crowded space with no office chamber even for H.O.D.</p> <p>ii) Only two classrooms</p> <p>iii) Inadequate support staff.</p>
Tourism Management	<p><b>a) Strength</b></p> <p>i) One of the oldest tourism departments of the country, the department has a huge pool of highly qualified professionals as alumni in different positions in Industry.</p> <p>ii) Established and proven faculty members with diverse background with effective student-teacher ratio to facilitate a close interaction among students.</p> <p><b>b) Weakness</b></p> <p>i) Department is located far from the corporate head quarters (that are usually located in bigger cities).</p> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>• Explore the potential for leadership and consulting roles</li> </ul>

	<p>in the region for tourism businesses.</p> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>• Introduction of application oriented innovative programmes to attract students for pursuing higher studies.</li> </ul>
<i>Faculty Council for Post-graduate Studies in Science</i>	<i>Any other relevant information</i>
Bio-Technology	<p><b>a) Strength</b></p> <ol style="list-style-type: none"> <li>We have an excellent team of dedicated faculty inspite of few in number</li> <li>We have produced a good numbers of alumni established in India and Abroad at various capacities)</li> </ol> <p><b>b) Weakness</b></p> <ol style="list-style-type: none"> <li>Shortage of modern equipments (Weakness)</li> <li>Shortage of faculty positions</li> </ol> <p><b>c) Opportunity</b></p> <ol style="list-style-type: none"> <li>Burdwan is well connected by road to Kolkata &amp; major cities of West Bengal and adjoining States where Biotech industries, central institutes &amp; facilities are available.</li> </ol> <p><b>d) Challenges</b></p> <ol style="list-style-type: none"> <li>Improvement of basic facilities available in the Department</li> </ol>
Botany	<p><b>a) Strength</b></p> <ol style="list-style-type: none"> <li>Healthy student-teacher relationship.</li> <li>Dedicated teachers and staff members.</li> <li>Well established laboratories of different fields of plant science.</li> </ol> <p><b>b) Weakness</b></p> <ol style="list-style-type: none"> <li>Power cut and lack of uninterrupted power supply.</li> <li>Significantly fewer quanta of feeder instruments required for teaching and research.</li> <li>Insufficient project funding</li> </ol> <p><b>c) Opportunity</b></p> <ol style="list-style-type: none"> <li>Institute-Industry collaborative research work.</li> <li>Consultancy services by experienced faculties.</li> <li>Modernizing the already existing system</li> </ol> <p><b>d) Challenges</b></p> <ol style="list-style-type: none"> <li>Exposure of students to national and international arena</li> <li>To upgrade the existing laboratory facilities to facilitate competitive cutting-edge teaching and research.</li> </ol>
Chemistry	<p><b>a) Strength</b></p> <ol style="list-style-type: none"> <li>Teacher-student intimate relationship; team work</li> <li>Punctuality, discipline and perseverance</li> <li>Advanced level teaching by dedicated group of teachers to the brilliant students</li> </ol> <p><b>b) Weakness</b></p> <ol style="list-style-type: none"> <li>Rural University; financial constraints</li> </ol>

	<p>ii) Space problem, power problem, old building, waste disposal and proper cleaning iii) Communication skill of students</p> <p><b>c) Opportunity</b></p> <p>i) Motivated and hard working students and their parents as well ii) Good faculty members with updated scientific knowledge iii) Industry- institute collaborative works, consultancy work</p> <p><b>d) Challenges</b></p> <p>i) Constant upgradation of syllabi for UG, PG and Ph D Course Work to cope with national and international examinations, communicative skills of the students, exposure of the students to national/international scenario ii) Placement of the department as well as university in the academic arena of the world iii) Developing this institute in such a framework to build ideal students as world citizens</p>
Computer Science	<p><b>a) Strength</b></p> <p>i) Well Equipped Lab., ii) Help From Sister Dept. for Which choice Based credit System has been possible, iii) Our Alumniees are placed in reputed national / international Companies and helping us off camping , iv) Emphasis is given in software development, v) Syllabus also covers significant amount of H/W &amp; S/W part.</p> <p><b>b) Weakness</b></p> <p>i) No placement cell , ii)Storage of class room (But this problem will be solved very soon)</p> <p><b>c) Opportunity</b></p> <p>i) Less Fees, ii)Availability of Licensed Software, iii) Availability of high end server with their</p> <p><b>d) Challenges</b></p> <p>i) All faculties with a MRP projects, ii) To get the DST FIST project, iii) To start M.Tech. program, iv) To start integrated M.Sc. in Computer Science &amp; Technology.</p>
Education	<p><b>a) Strength</b></p> <p>i) Student-Teacher interaction is very high and productive in nature. ii) The career enrichment programmes by scholars and faculties (e.g., publications, seminar presentations etc.) is note worthy. iii) A very good departmental library</p>

	<p>iv) Expertise in Curriculum Development</p> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Shortage of Faculty</li> <li>ii) Shortage of Space for Class rooms, Laboratories, faculty and Research Scholars</li> <li>iii) Inadequate Space and Furniture in the Library</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) The department has been proved to be opportune for the students of M.Ed pass-outs. No student sits idle after s/he passes the said course. Most of them are readily engaged in different B.Ed colleges of private origin.</li> <li>ii)</li> <li>iii)</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) One of the main challenges is shortage of building and space for performing educational activities.</li> <li>ii)</li> <li>iii)</li> </ul>
Environmental Science	<ul style="list-style-type: none"> <li>i) Department is giving analytical services to research scholars, faculty members</li> <li>ii) Students are mostly involved in field oriented work during their dissertation</li> <li>iii) Organisation of short-term training workshops</li> </ul> <p><i>Details SWOC of the Department</i></p> <p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) National level syllabus</li> <li>ii) Students are motivated and orientated towards research</li> <li>iii) Involvement of students in outreach programmes</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Self-financed Course</li> <li>ii) Less number of faculty members</li> <li>iii) Less job opportunity in State level</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Liaison with Industries, Analytical Laboratories and Management Institutes</li> <li>ii) Recognition of Laboratory by WBPCB</li> <li>iii) Post-doctoral fellowships in abroad</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) Placement of students</li> <li>ii) Department is lacking modern Equipments</li> <li>iii)</li> </ul>
Geography	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Teaching is our major Strength which is proved by the high performance in NET/SET exams.</li> <li>ii) Continuous publications by Faculties, Scientific Officer and Scholars</li> <li>iii) Organization of National and International Conference, Seminars and Workshops</li> </ul> <p><b>b) Weakness</b></p>

	<ul style="list-style-type: none"> <li>i) Shortage of Space for Class rooms, Laboratories and Research Scholars</li> <li>ii) Inadequate Space and Furniture in the Library</li> <li>iii) Lack of facilities for Post-Doctoral Work by the research scholars</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) The Department is going to introduce new CBS syllabus in which we shall offer three minor elective courses for other Science Departments.</li> <li>ii) The Department is framing the syllabus for M. Sc in GIS and Remote Sensing, which will be introduced in the next academic Session.</li> <li>iii) Summer School and Winter Schools for Capacity Building by 21 Days NRDMS, DST, Govt. of India sponsored 1<sup>st</sup> Summer/Winter School – GEOMATICS will be continued in future.</li> </ul> <p>\</p> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) High Student Teacher ratio.</li> <li>ii) Risk of losing prominent faculty and staff for better opportunities at other universities</li> </ul>
Mathematics	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Availability of SAP(DSA), DST-FIST (Level-II) and NBHM Grants (for Books &amp; Journals)</li> <li>ii) Computing facilities along with well equipped Departmental Library.</li> <li>(iii) Inclusion of modern topics in PG syllabus.</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Due to insufficient numbers of faculty members and heavy teaching loads only few special papers are offered to the students.</li> <li>ii) Slow rate of data transfer through Internet.</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Placement of students &amp; research scholars in schools/colleges/banks/rail/ various institutions and organisation.</li> <li>ii) Remarkable performance of students and scholars in different National level examinations.</li> <li>iii) Access of modern computing facility for students and scholars.</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) Quality enhancement and improvement in both teaching and research.</li> <li>ii) Access to all journals.</li> </ul>
Microbiology	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Dedicated and sincere Faculty and Non-teaching Staff</li> <li>ii) Devoted and intelligent student pool</li> <li>iii) Support from Administrators</li> <li>iv) Average age of faculty members below 40 years</li> </ul>

	<p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Insufficient faculty members and office Staff</li> <li>ii) Lack of uninterrupted power supply</li> <li>iii) Lack of space</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) A number of instruments (PCR, 2D Electrophoresismachine, ELISA reader etc) are there that can be used for revenue generation.</li> <li>ii) Several fellowship (NET, GATE, INPIRE etc) for students interested in research.</li> <li>iii) Job opportunity in Pharmaceuticals, Wineries, Water Purification Unit, Biofuel industries, Metal extraction units, Public Health, Research Institutes.</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) To establish the Department as a leading Centre for Learning and Research on Microbiology</li> <li>ii) To develop tie up with Microbiology based Industries and Research Institutes for research and placement.</li> <li>iii) To take initiative for the generation of departmental revenue.</li> </ul>
Physics	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Teacher-student intimate relationship</li> <li>ii) Eminent and dedicated group of teachers</li> <li>iii) Bright and aspirant students from economically poor background</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Insufficient working laboratory space, number of equipments and furniture for student laboratories and inadequate space for research laboratories.</li> <li>ii) Irregular power supply.</li> <li>iii) Improper sanitation.</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) International and National Research collaborations.</li> <li>ii) Resource persons for writing good text books.</li> <li>iii) Eminent resource persons effective for Industry Institute Collaboration</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) To develop state of the art laboratories for research and development.</li> <li>ii) To create well equipped laboratories and smart classrooms for the PG students.</li> <li>iii) To develop open access library including internet facilities in the Department.</li> </ul>
Statistics	<p><b>a) Strength</b></p> <ul style="list-style-type: none"> <li>i) Research in different areas (Statistics, Medical Sciences, Quality Engineering) is increased</li> <li>ii) Student Projects on different real life data are conducted</li> <li>iii) Funds from different available sources are applied</li> </ul>

	<p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Smaller no. of faculty members</li> <li>ii) Smaller no. of special papers are allowed to the students</li> <li>iii) Expertise of faculty members only few areas</li> </ul> <p><b>c) Opportunity</b></p> <ul style="list-style-type: none"> <li>i) Try to receive fund from different sources for the Department</li> <li>ii) Try to receive honour or award from different sources</li> <li>iii) Research areas to be improved</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) New topics are to be included in the syllabus according to the demand</li> <li>ii) Faculty members are trying to produce good papers for the high impact factor journals</li> <li>iii) Faculty members are trying to improve themselves to occupy a position of board member of many research journals.</li> </ul>
Zoology	<p><b>a) Strength:</b></p> <ul style="list-style-type: none"> <li>i) Young and energetic faculty members with excellent coordination among faculty and interfaculty discussion for effective teaching</li> <li>ii) Well balanced PG syllabus with basic and applied, classical and advanced areas of Zoology</li> <li>iii) Most of the faculty members doing research with extramural research funding and good publications with citation index in spite of several constraints</li> </ul> <p><b>b) Weakness</b></p> <ul style="list-style-type: none"> <li>i) Skewed student teacher ratio and insufficient Technical and administrative staff</li> <li>ii) Inadequate research infrastructure including long and frequent power cut</li> <li>iii) Lack of administrative &amp; financial autonomy for implementing sponsored programs</li> </ul> <p><b>d) Challenges</b></p> <ul style="list-style-type: none"> <li>i) To cater effective teaching to large number of students</li> <li>ii) To demonstrate practical involving animal specimens to legal bindings</li> <li>iii) Shrinkage of employment opportunity in other areas – agriculture, forestry, animal husbandry, fisheries, community health etc.</li> </ul>